

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
 Data File : BF134597.D
 Acq On : 03 Aug 2023 00:23
 Operator : CG\JU
 Sample : 03598-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-55-(2-5)

Manual Integrations
 APPROVED

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

Quant Time: Aug 03 01:52:37 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	170495	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	640937	20.000	ng	# 0.00
39) Acenaphthene-d10	9.827	164	264717	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	424459	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	310506	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	244341	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	935028	83.365	ng	0.00
7) Phenol-d6	6.422	99	1180632	82.345	ng	0.00
23) Nitrobenzene-d5	7.351	82	690444	67.320	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	224211	83.086	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1167146	73.309	ng	0.00
79) Terphenyl-d14	12.910	244	1066787	60.566	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	122531	5.435	ng	98
75) Fluoranthene	12.527	202	259968	10.916	ng	97
78) Pyrene	12.757	202	248989	9.267	ng	98
81) Benzo(a)anthracene	13.945	228	120405	5.423	ng	93
83) Chrysene	13.980	228	122032	5.641	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	52604	3.661	ng	# 96
88) Benzo(b)fluoranthene	14.992	252	132468m	8.889	ng	
89) Benzo(k)fluoranthene	15.015	252	45148m	3.041	ng	
90) Benzo(a)pyrene	15.356	252	89108	6.413	ng	# 97
92) Benzo(g,h,i)perylene	17.327	276	48742	4.114	ng	# 88

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

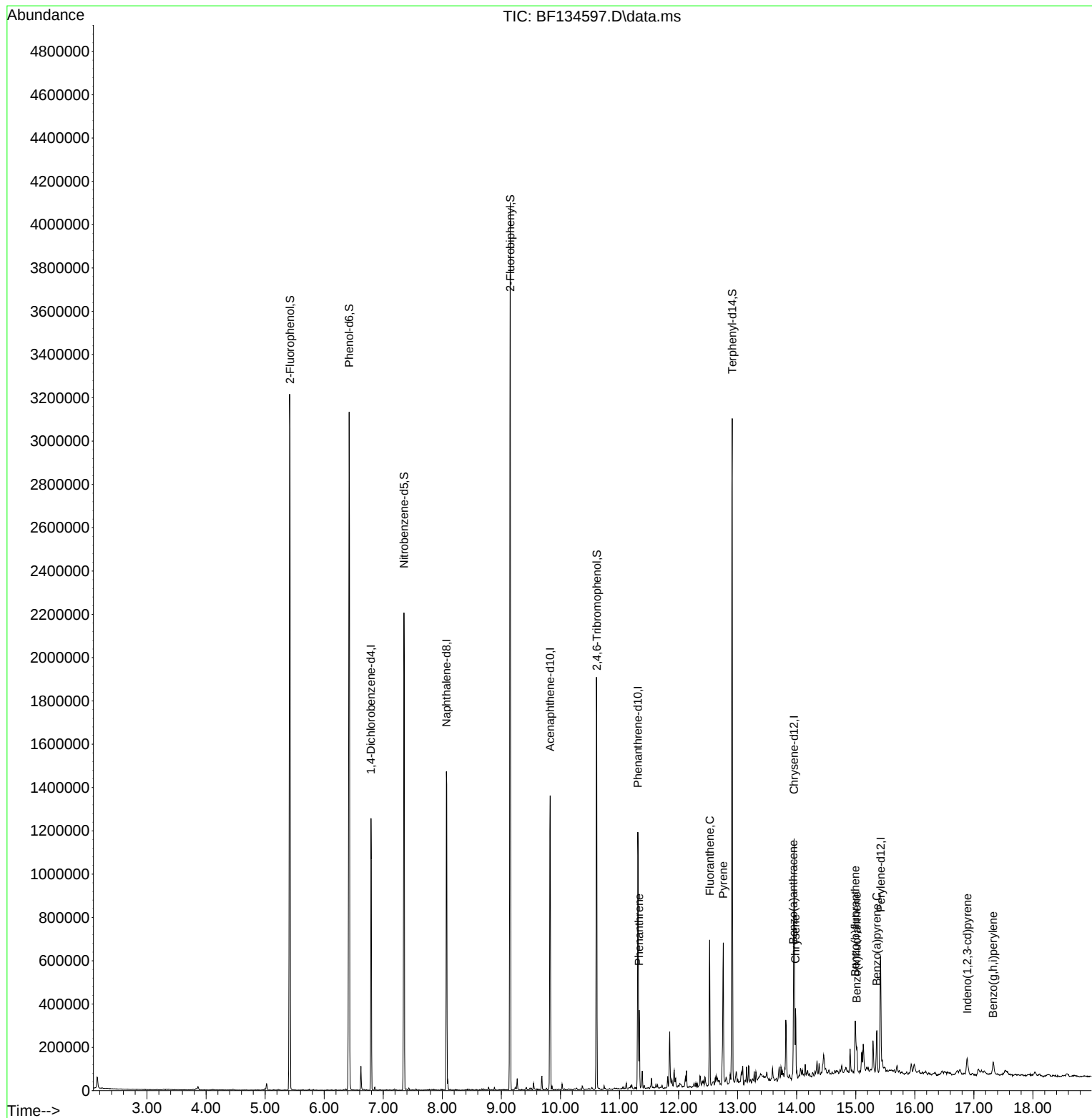
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
Data File : BF134597.D
Acq On : 03 Aug 2023 00:23
Operator : CG\JU
Sample : 03598-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

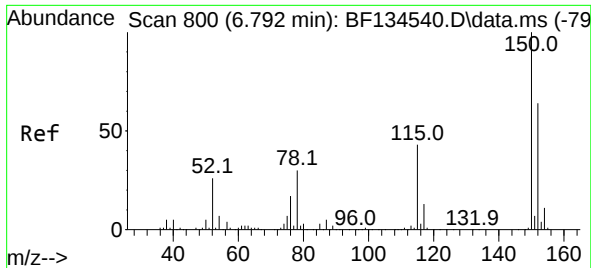
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)

Quant Time: Aug 03 01:52:37 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

Manual Integrations
APPROVED

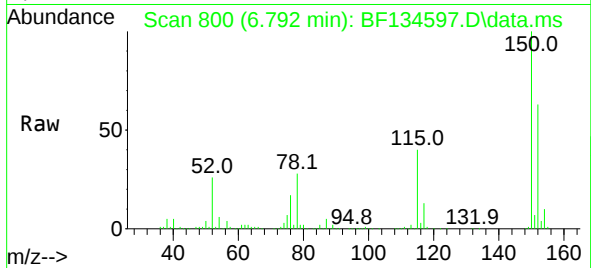
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

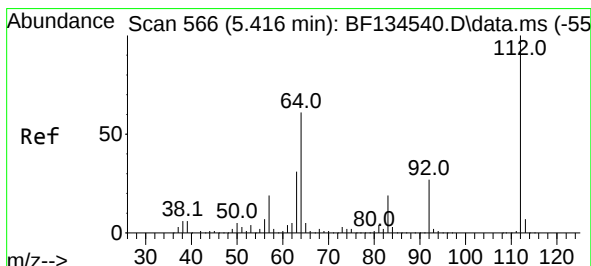
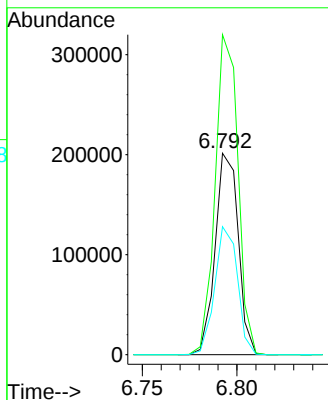
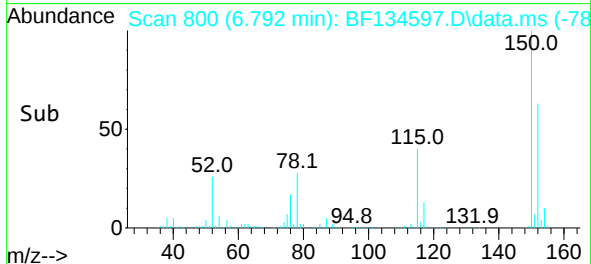
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)



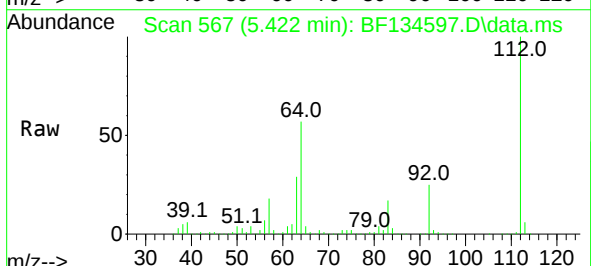
Tgt Ion:152 Resp: 170495
Ion Ratio Lower Upper
152 100
150 158.9 128.3 192.5
115 63.6 52.4 78.6

Manual Integrations
APPROVED

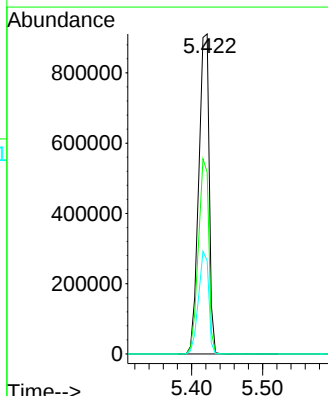
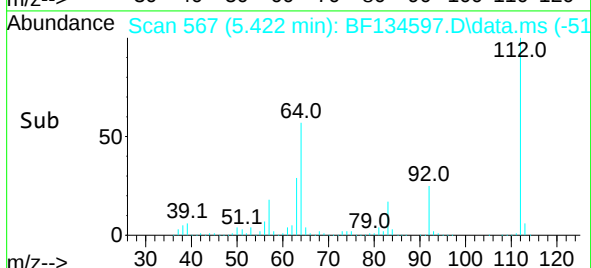
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

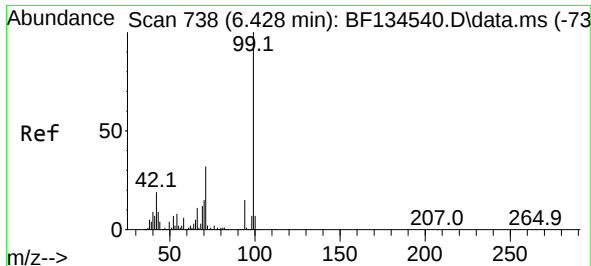


#5
2-Fluorophenol
Concen: 83.365 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23



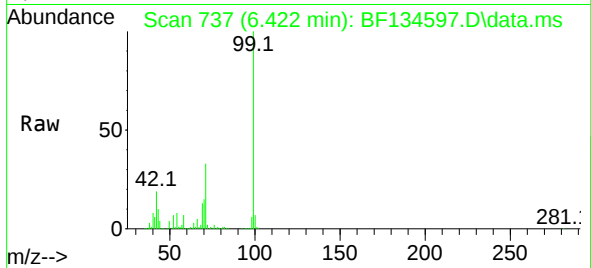
Tgt Ion:112 Resp: 935028
Ion Ratio Lower Upper
112 100
64 56.8 44.9 67.3
63 29.1 25.4 38.0





#7
Phenol-d6
Concen: 82.345 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

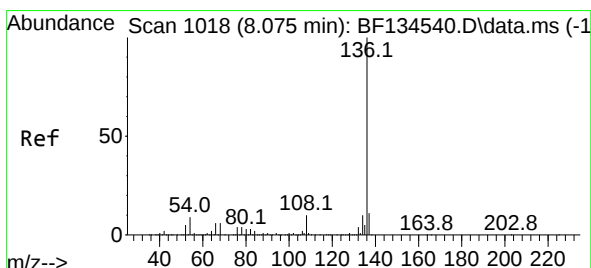
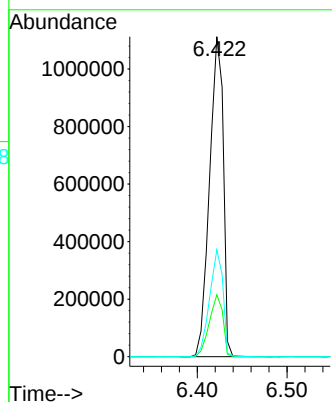
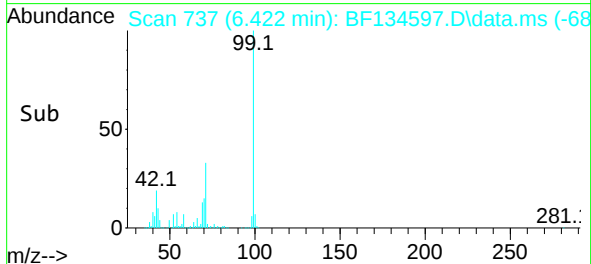
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)



Tgt Ion: 99 Resp: 1180632
Ion Ratio Lower Upper
99 100
42 19.4 18.7 28.1
71 33.4 36.4 54.6

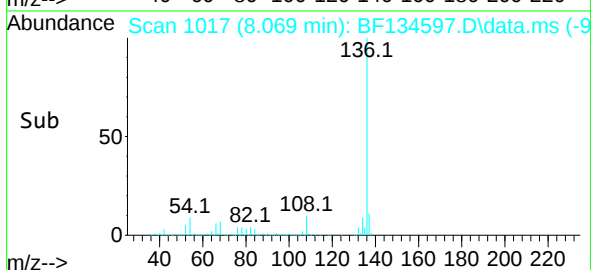
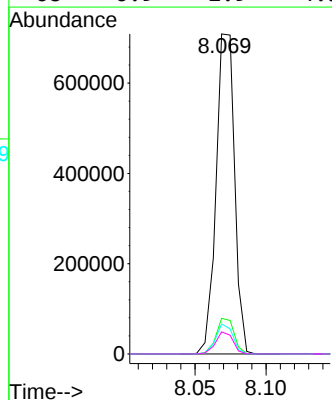
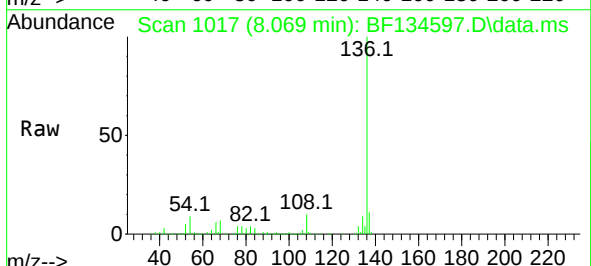
Manual Integrations
APPROVED

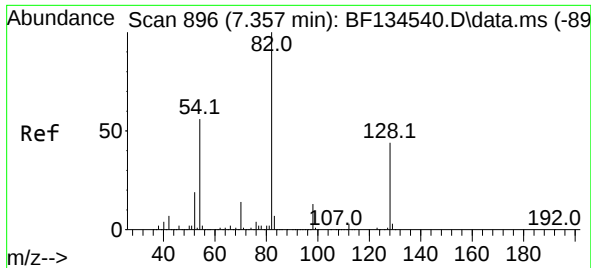
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

Tgt Ion:136 Resp: 640937
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.4 5.2 7.8#
68 6.9 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 67.320 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF134597.D

Acq: 03 Aug 2023 00:23

Instrument :

BNA_F

ClientSampleId :

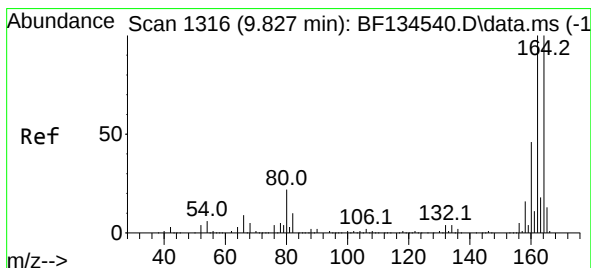
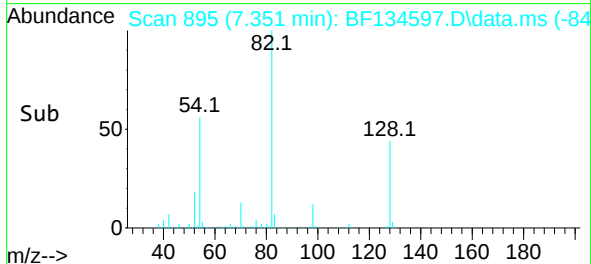
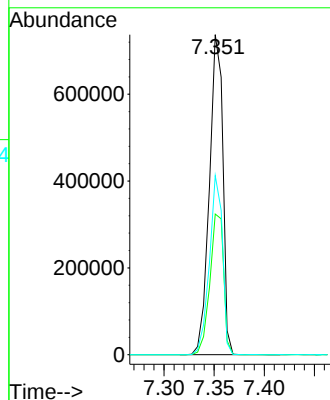
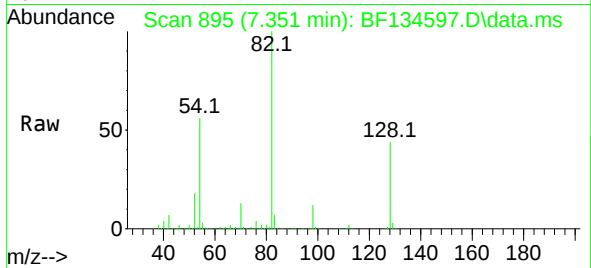
RB-55-(2-5)

Tgt Ion: 82 Resp: 690444
 Ion Ratio Lower Upper
 82 100
 128 43.9 34.3 51.5
 54 56.0 43.8 65.6

Manual Integrations

APPROVED

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



#39

Acenaphthene-d10

Concen: 20.000 ng

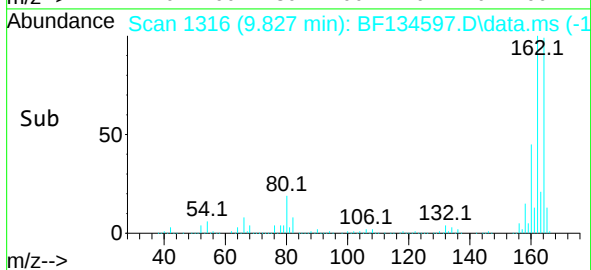
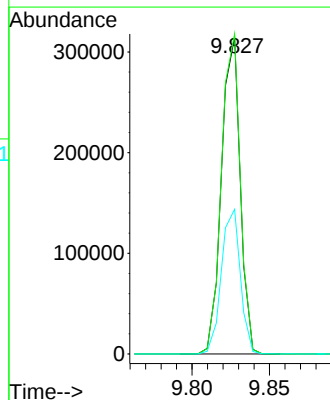
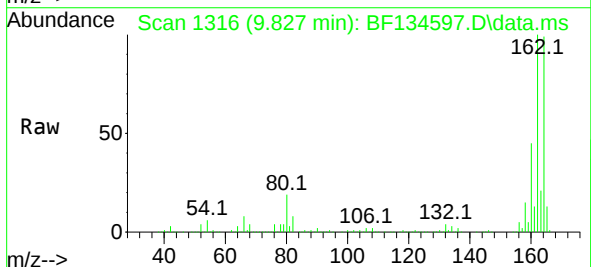
RT: 9.827 min Scan# 1316

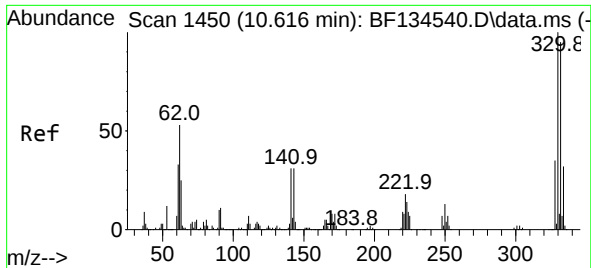
Delta R.T. 0.000 min

Lab File: BF134597.D

Acq: 03 Aug 2023 00:23

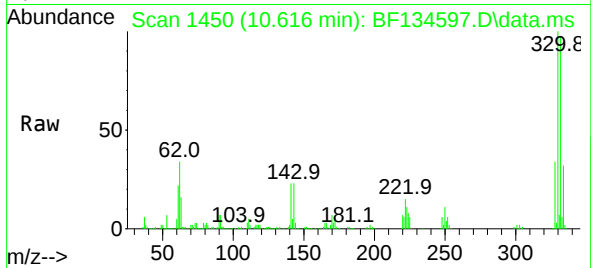
Tgt Ion:164 Resp: 264717
 Ion Ratio Lower Upper
 164 100
 162 101.0 82.6 123.8
 160 45.7 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 83.086 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

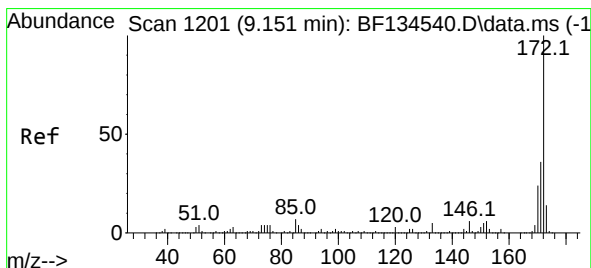
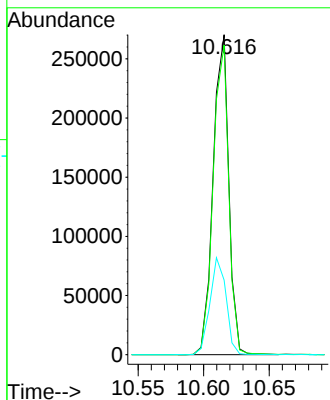
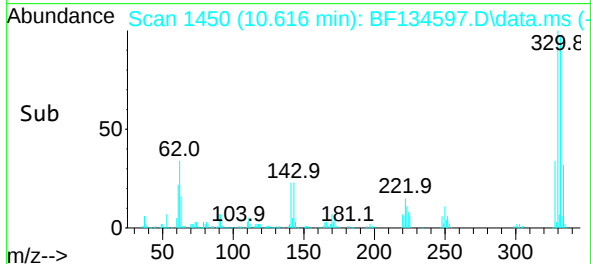
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)



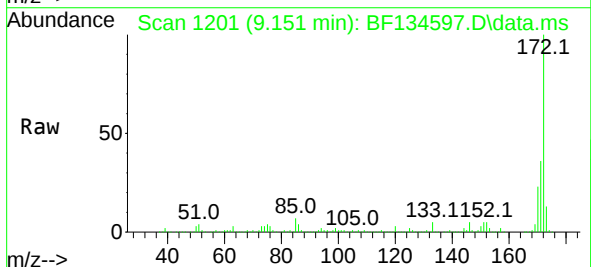
Tgt Ion: 330 Resp: 22421
Ion Ratio Lower Upper
330 100
332 96.7 78.8 118.2
141 31.4 25.4 38.2

Manual Integrations
APPROVED

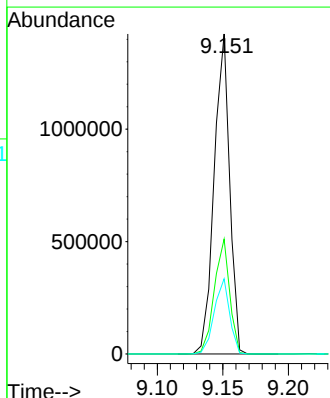
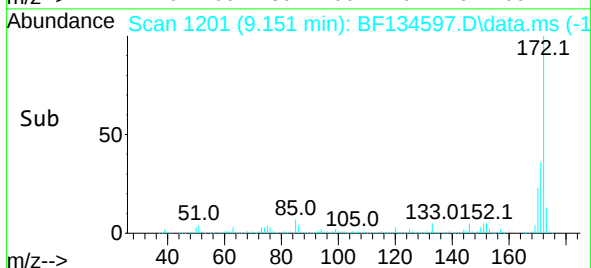
Reviewed By : Yogesh Patel 08/03/2023
Supervised By : mohammad ahmed 08/03/2023

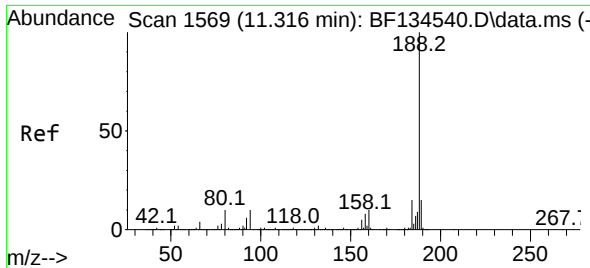


#45
2-Fluorobiphenyl
Concen: 73.309 ng
RT: 9.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23



Tgt Ion: 172 Resp: 1167146
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.5 18.7 28.1





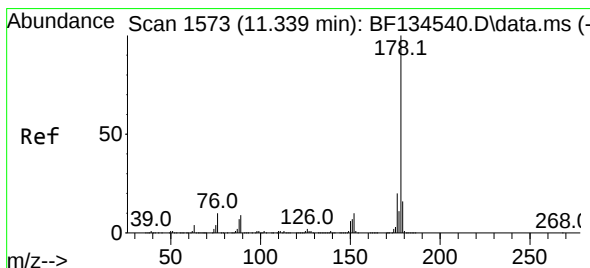
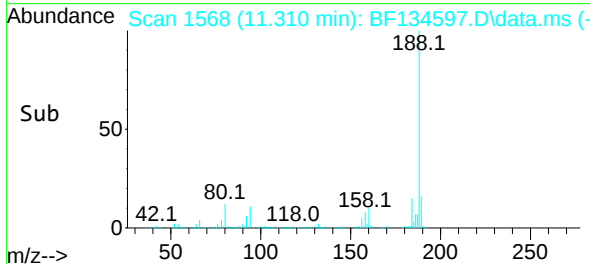
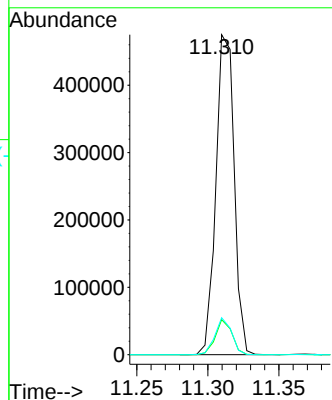
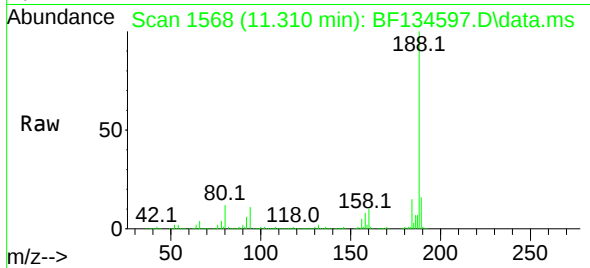
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)

Tgt Ion:188 Resp: 424459
Ion Ratio Lower Upper
188 100
94 10.9 5.1 7.7
80 11.5 6.6 9.8

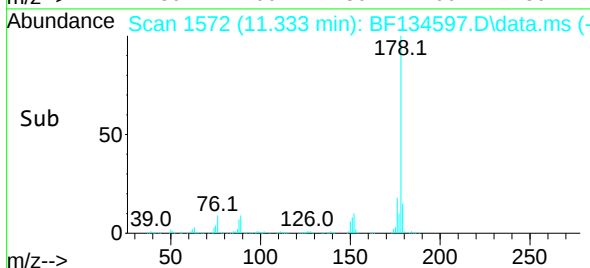
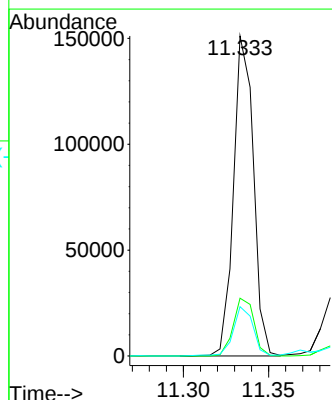
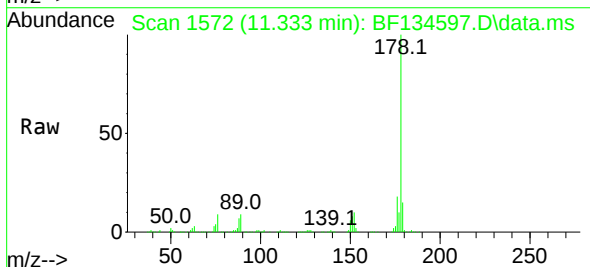
Manual Integrations
APPROVED

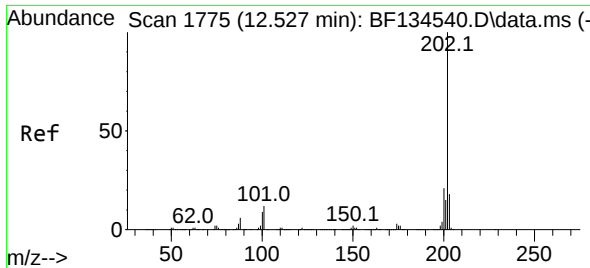
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#71
Phenanthrene
Concen: 5.435 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

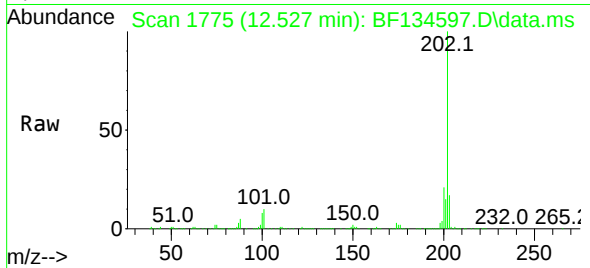
Tgt Ion:178 Resp: 122531
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 15.4 12.7 19.1





#75
Fluoranthene
Concen: 10.916 ng
RT: 12.527 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

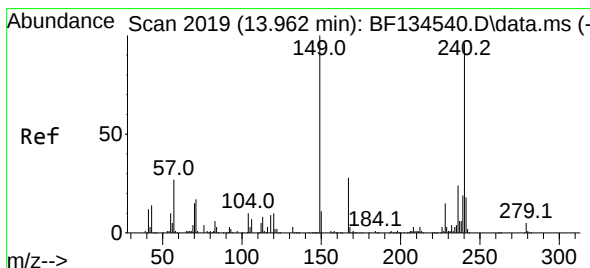
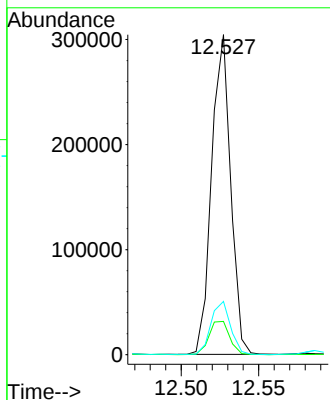
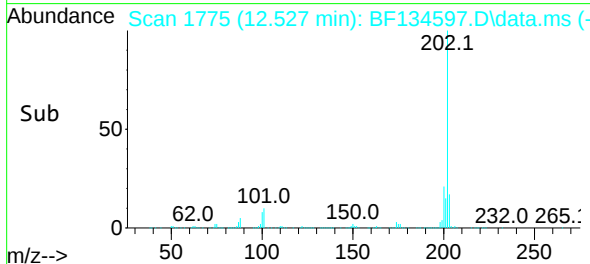
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)



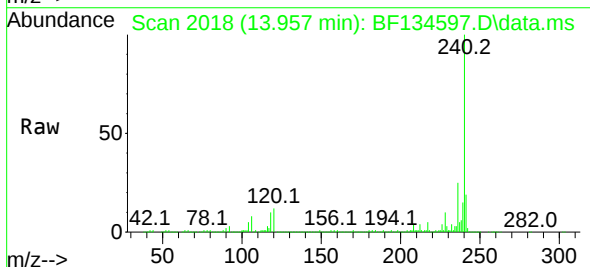
Tgt Ion:202 Resp: 259968
Ion Ratio Lower Upper
202 100
101 10.4 0.0 28.5
203 16.6 0.0 37.5

Manual Integrations
APPROVED

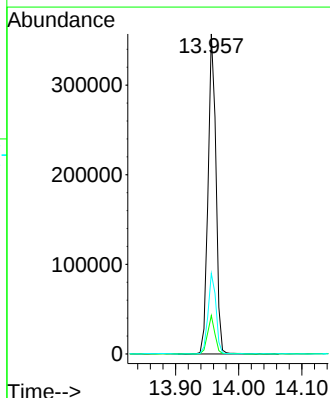
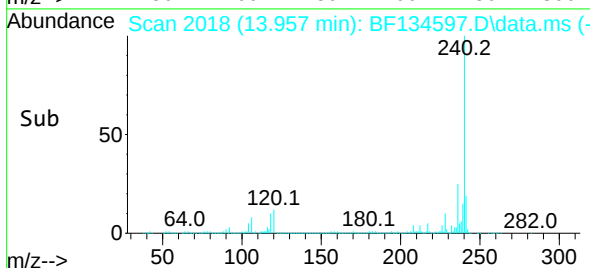
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

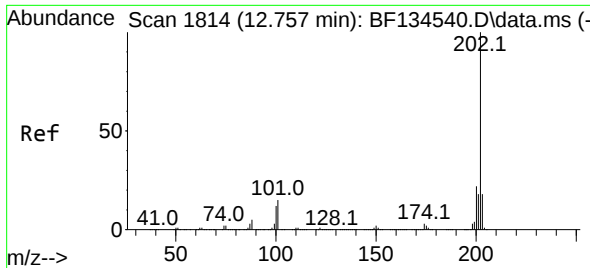


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23



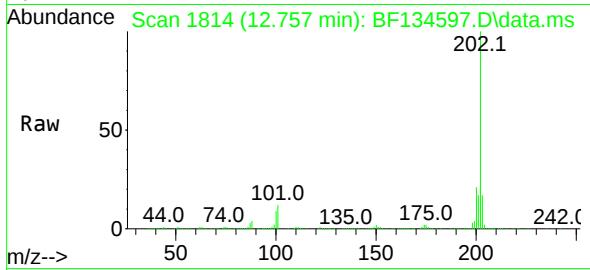
Tgt Ion:240 Resp: 310506
Ion Ratio Lower Upper
240 100
120 12.0 6.6 10.0#
236 25.2 20.2 30.2





#78
Pyrene
Concen: 9.267 ng
RT: 12.757 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

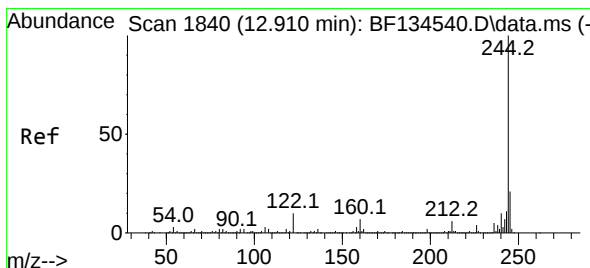
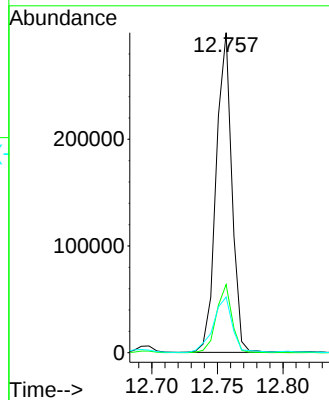
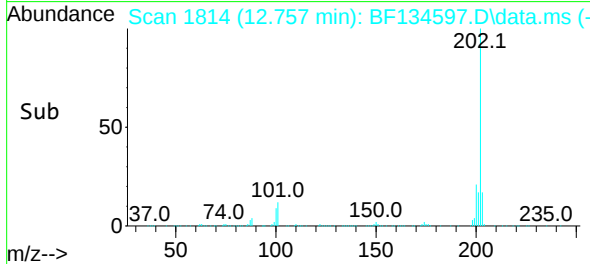
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)



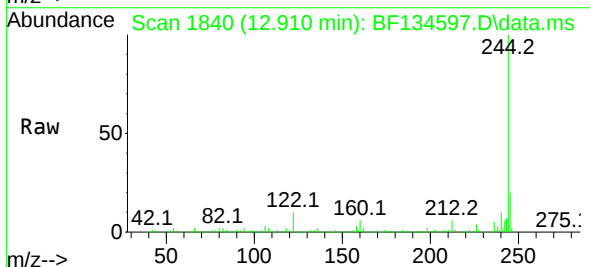
Tgt Ion:202 Resp: 248989
Ion Ratio Lower Upper
202 100
200 21.3 15.8 23.8
203 17.4 13.5 20.3

Manual Integrations
APPROVED

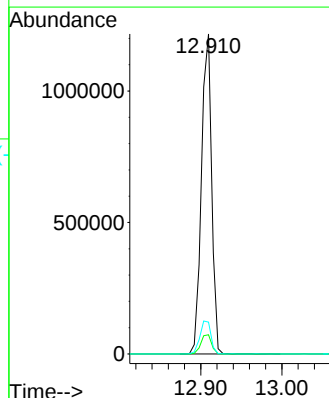
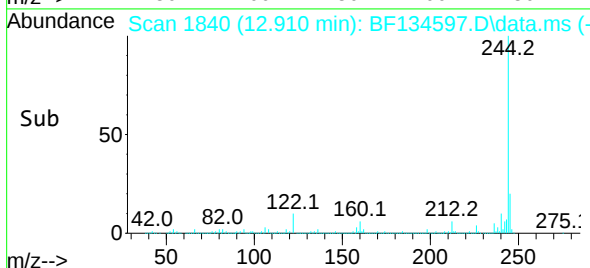
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

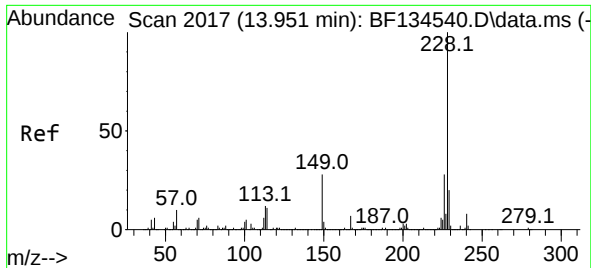


#79
Terphenyl-d14
Concen: 60.566 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23



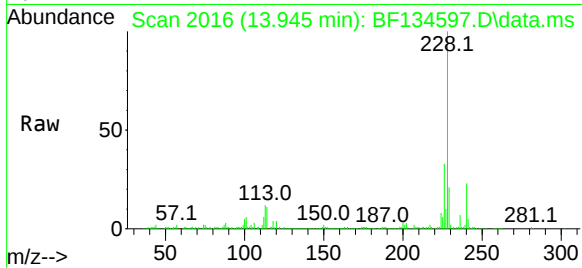
Tgt Ion:244 Resp: 1066787
Ion Ratio Lower Upper
244 100
212 6.0 5.6 8.4
122 10.0 8.0 12.0





#81
Benzo(a)anthracene
Concen: 5.423 ng
RT: 13.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

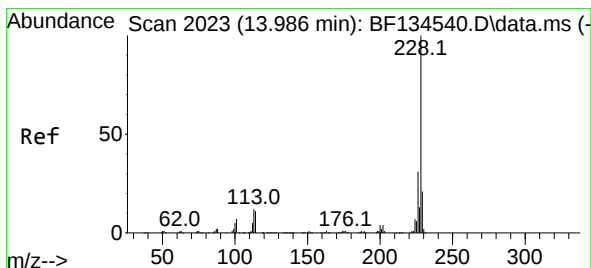
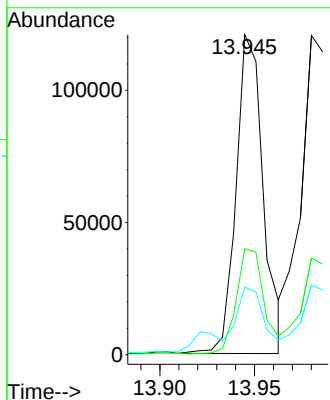
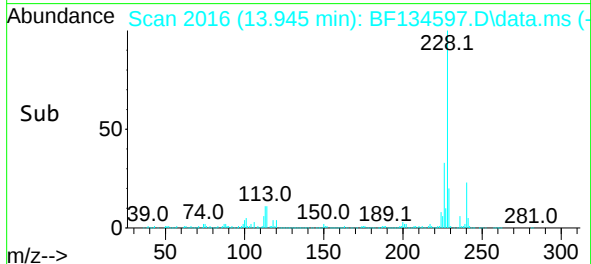
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)



Tgt Ion:228 Resp: 12040
Ion Ratio Lower Upper
228 100
226 33.2 22.3 33.5
229 21.1 15.8 23.6

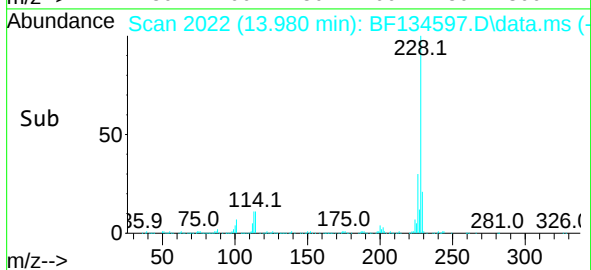
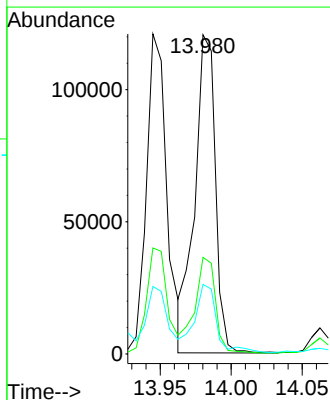
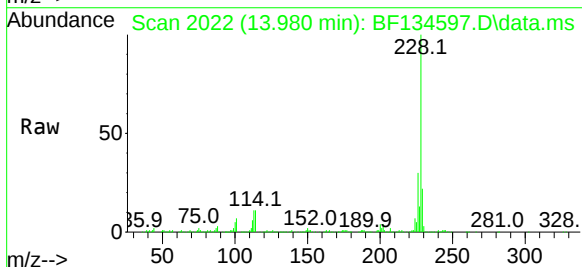
Manual Integrations
APPROVED

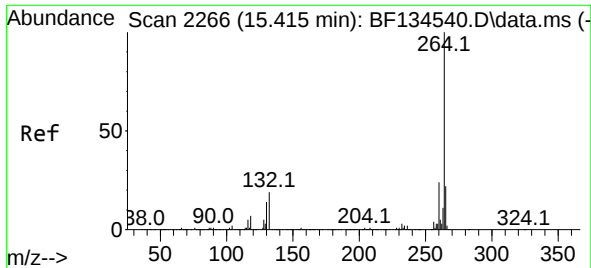
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#83
Chrysene
Concen: 5.641 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

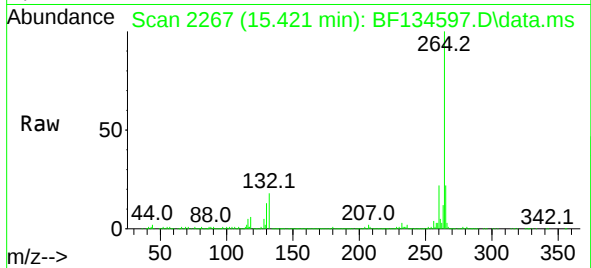
Tgt Ion:228 Resp: 122032
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 21.8 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

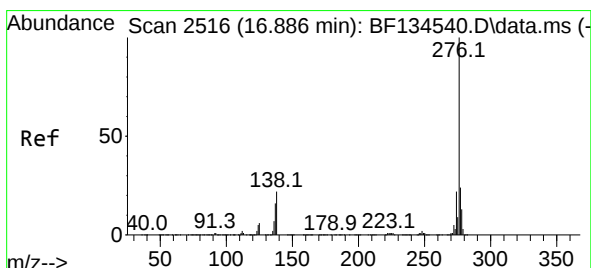
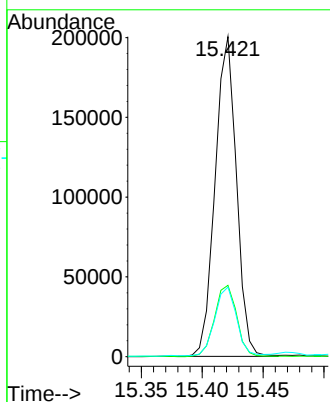
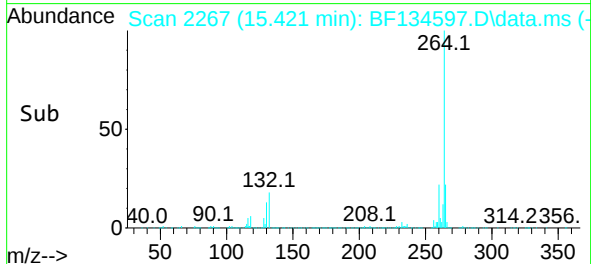
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)



Tgt Ion:264 Resp: 24434
Ion Ratio Lower Upper
264 100
260 22.3 18.4 27.6
265 21.7 15.8 23.8

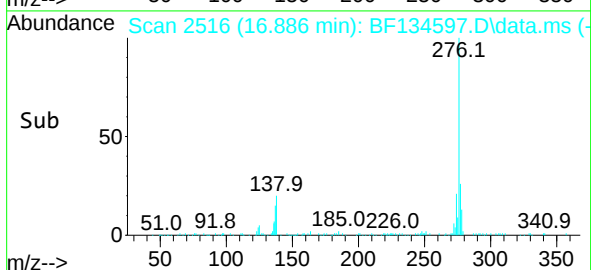
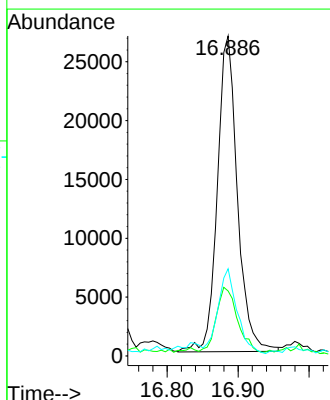
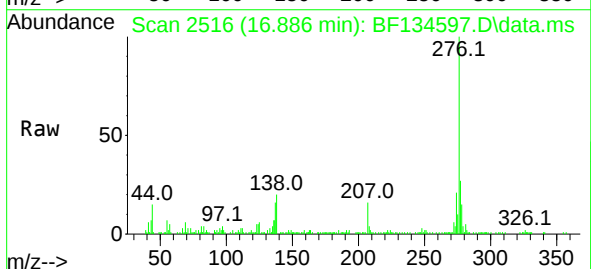
Manual Integrations
APPROVED

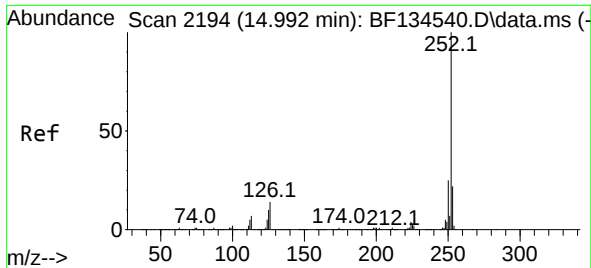
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.661 ng
RT: 16.886 min Scan# 2516
Delta R.T. 0.000 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

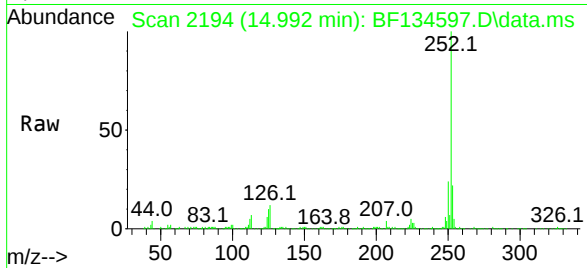
Tgt Ion:276 Resp: 52604
Ion Ratio Lower Upper
276 100
138 21.4 14.2 21.4#
277 25.7 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 8.889 ng m
RT: 14.992 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

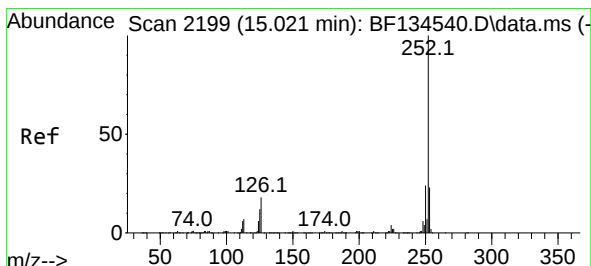
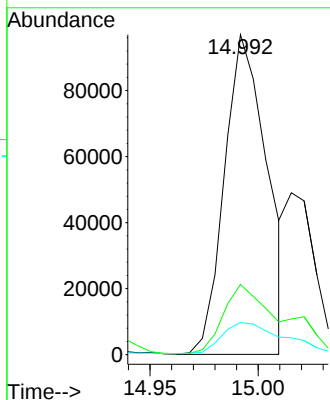
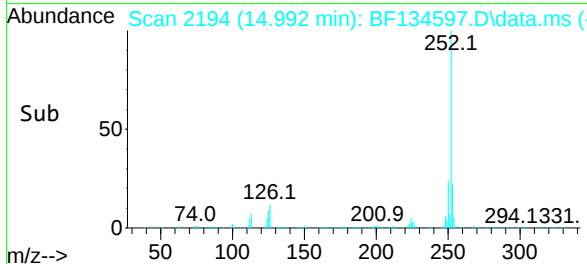
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)



Tgt Ion:252 Resp: 132468
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 10.1 6.0 9.0

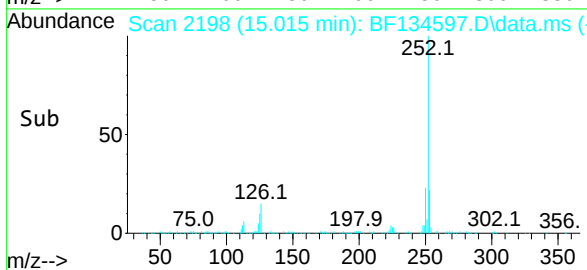
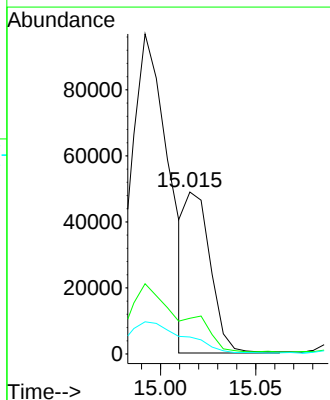
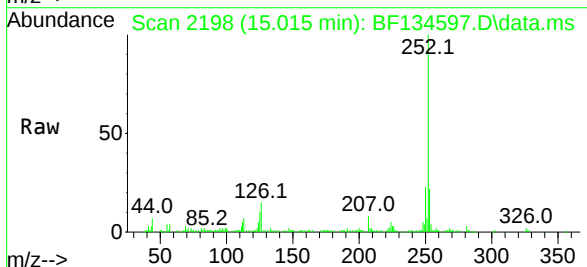
Manual Integrations
APPROVED

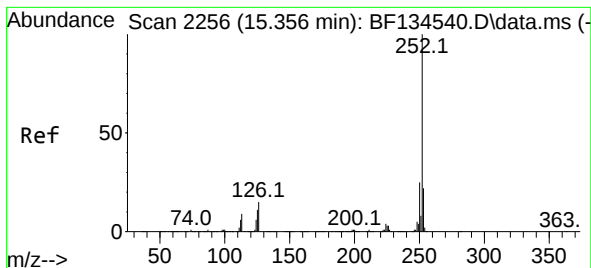
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#89
Benzo(k)fluoranthene
Concen: 3.041 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

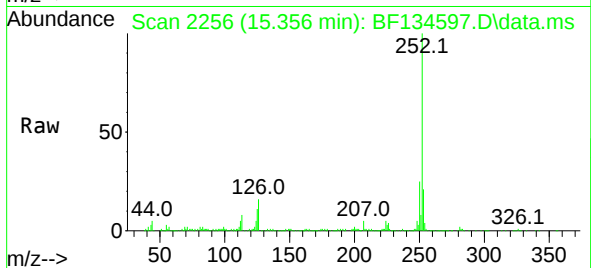
Tgt Ion:252 Resp: 45148
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 10.5 6.3 9.5





#90
Benzo(a)pyrene
Concen: 6.413 ng
RT: 15.356 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

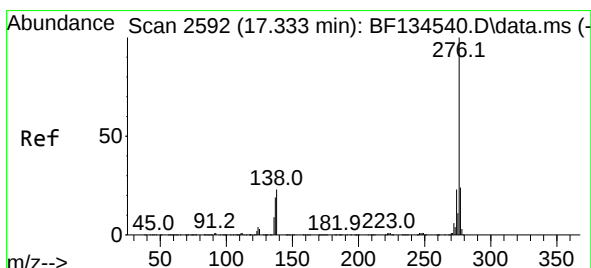
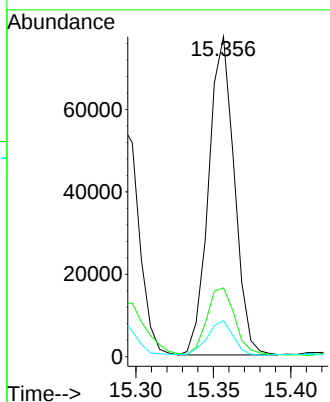
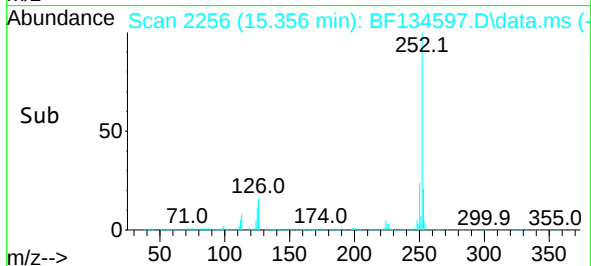
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)



Tgt Ion:252 Resp: 8910
Ion Ratio Lower Upper
252 100
253 21.5 17.0 25.4
125 11.2 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: 4.114 ng
RT: 17.327 min Scan# 2591
Delta R.T. -0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

Tgt Ion:276 Resp: 48742
Ion Ratio Lower Upper
276 100
277 26.3 19.0 28.6
138 24.3 12.2 18.2

