

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135592.D
 Acq On : 05 Oct 2023 03:04
 Operator : CG\JU
 Sample : 04687-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-3-092923

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/05/2023
 Supervised By :mohammad ahmed 10/06/2023

Quant Time: Oct 05 06:51:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	112853	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	438338	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	220165	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	408187	20.000	ng	0.00
76) Chrysene-d12	13.922	240	203626	20.000	ng	0.00
86) Perylene-d12	15.386	264	248317	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	576354	83.065	ng	0.00
7) Phenol-d6	6.387	99	714047	80.931	ng	0.00
23) Nitrobenzene-d5	7.304	82	438188	54.311	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	176173	80.521	ng	0.00
45) 2-Fluorobiphenyl	9.093	172	823413	56.426	ng	0.00
79) Terphenyl-d14	12.857	244	681561	51.887	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.287	178	93244	4.830	ng	98
75) Fluoranthene	12.486	202	130490	6.487	ng	98
78) Pyrene	12.716	202	124258	6.409	ng	98
81) Benzo(a)anthracene	13.910	228	46739	3.555	ng	96
83) Chrysene	13.951	228	43780	3.349	ng	98
88) Benzo(b)fluoranthene	14.963	252	52152m	3.880	ng	
90) Benzo(a)pyrene	15.327	252	40018	3.122	ng	95

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

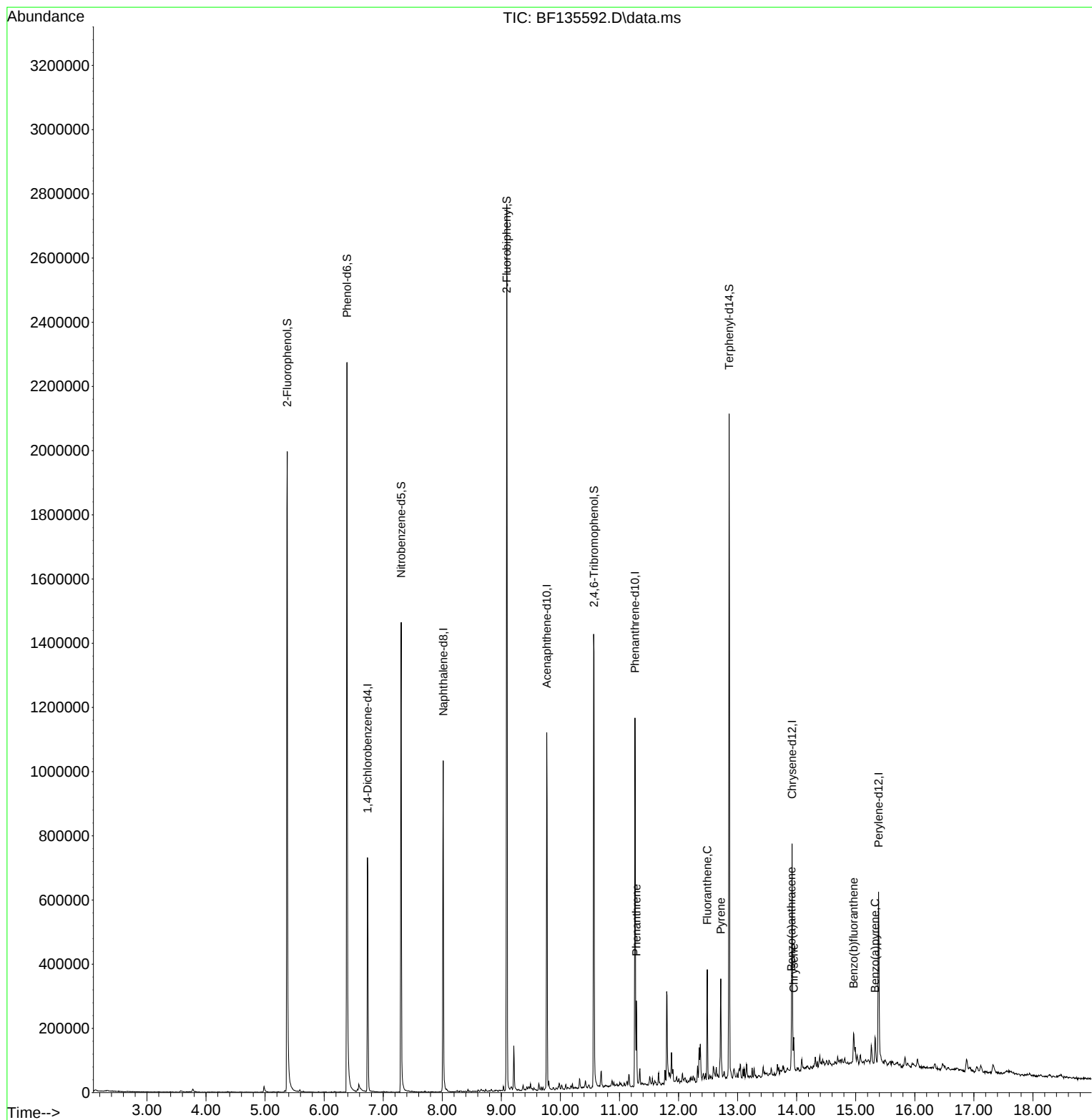
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
Data File : BF135592.D
Acq On : 05 Oct 2023 03:04
Operator : CG\JU
Sample : 04687-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

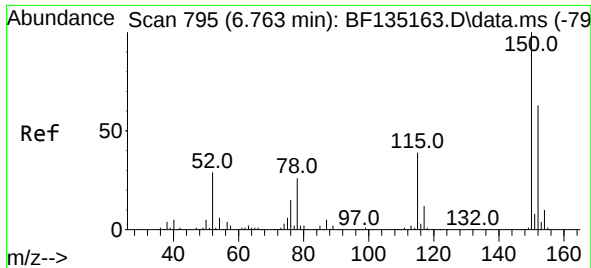
Instrument :
BNA_F
ClientSampleId :
HR-3-092923

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023

Quant Time: Oct 05 06:51:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 795
Delta R.T. -0.005 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Instrument :

BNA_F

ClientSampleId :

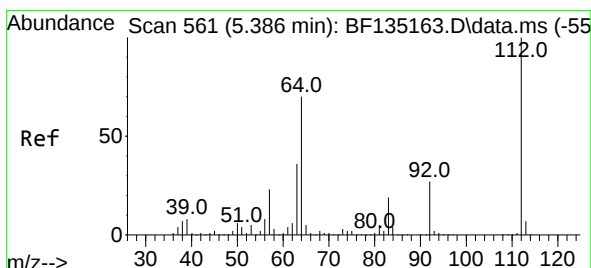
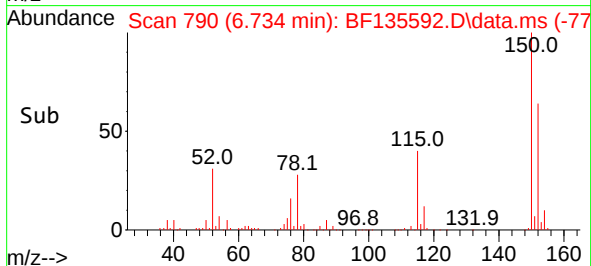
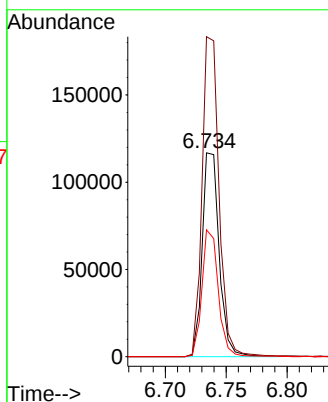
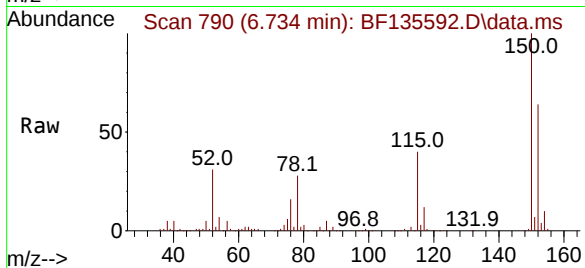
HR-3-092923

Tgt Ion:152 Resp: 11285
Ion Ratio Lower Upper
152 100
150 157.0 127.8 191.6
115 62.2 49.8 74.8

Manual Integrations

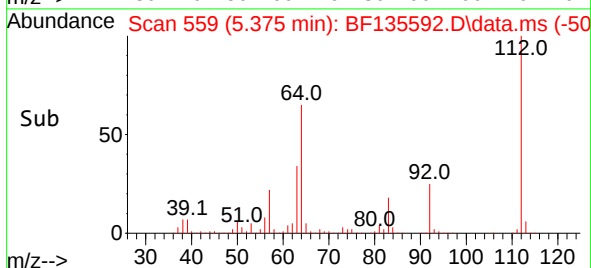
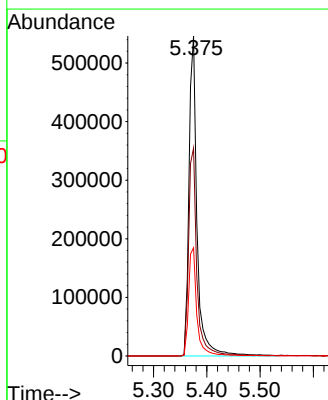
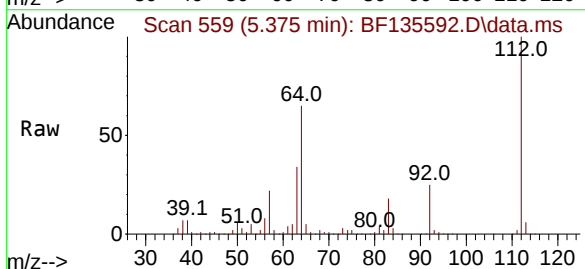
APPROVED

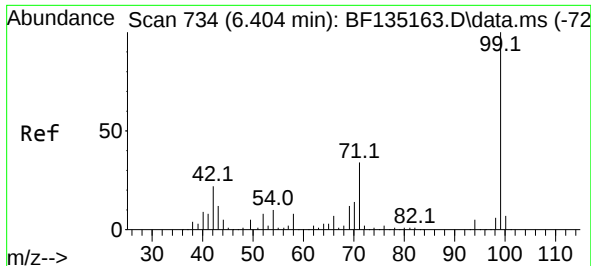
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#5
2-Fluorophenol
Concen: 83.065 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Tgt Ion:112 Resp: 576354
Ion Ratio Lower Upper
112 100
64 64.9 55.9 83.9
63 33.8 29.0 43.6





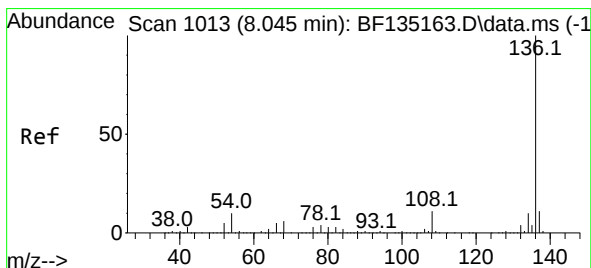
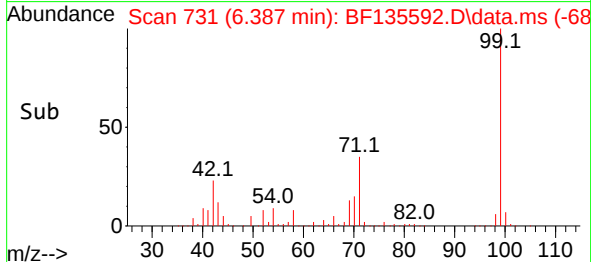
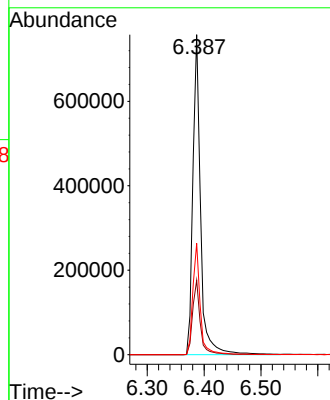
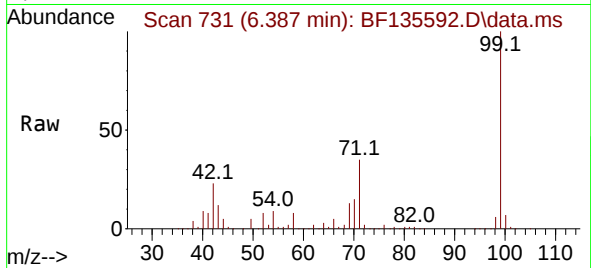
#7
Phenol-d6
Concen: 80.931 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Instrument :
BNA_F
ClientSampleId :
HR-3-092923

Tgt Ion: 99 Resp: 71404
Ion Ratio Lower Upper
99 100
42 23.3 17.9 26.9
71 34.8 27.0 40.6

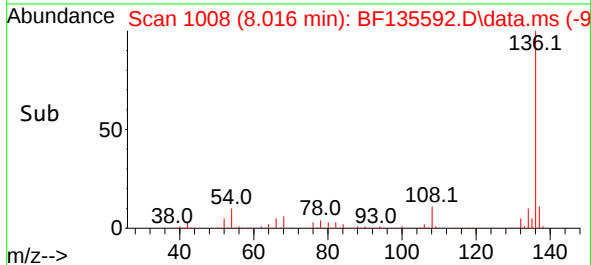
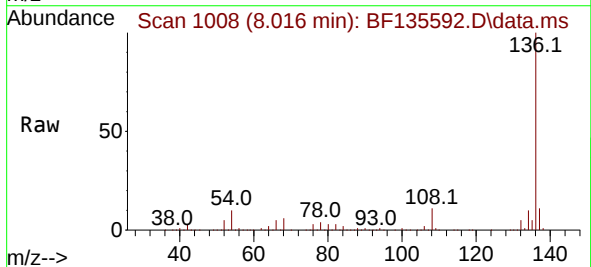
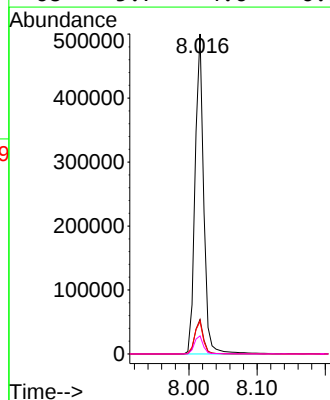
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Tgt Ion:136 Resp: 438338
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.2 7.7 11.5
68 5.7 4.6 6.8





#23

Nitrobenzene-d5

Concen: 54.311 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135592.D

Acq: 05 Oct 2023 03:04

Instrument :

BNA_F

ClientSampleId :

HR-3-092923

Tgt Ion: 82 Resp: 43818

Ion Ratio Lower Upper

82 100

128 44.5 35.8 53.6

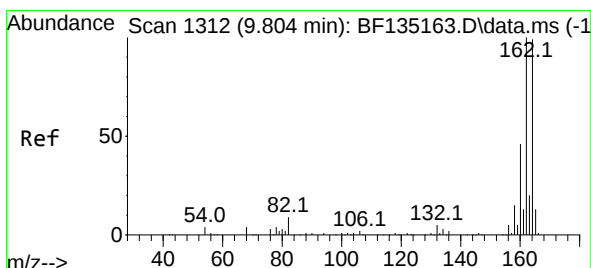
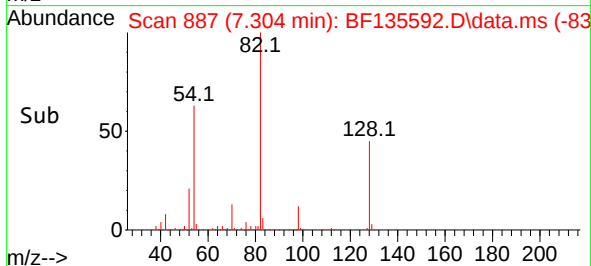
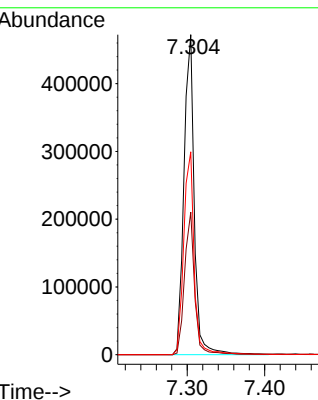
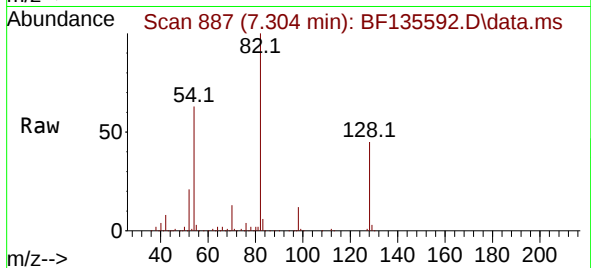
54 63.4 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/05/2023

Supervised By :mohammad ahmed 10/06/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF135592.D

Acq: 05 Oct 2023 03:04

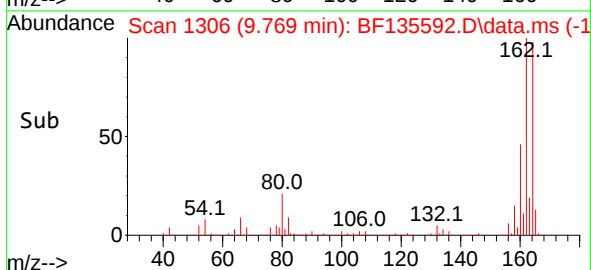
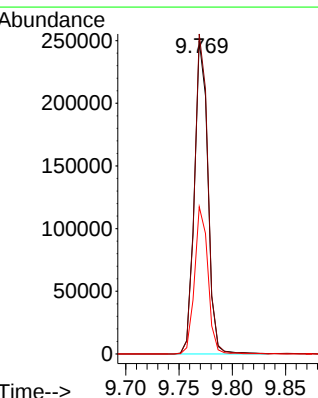
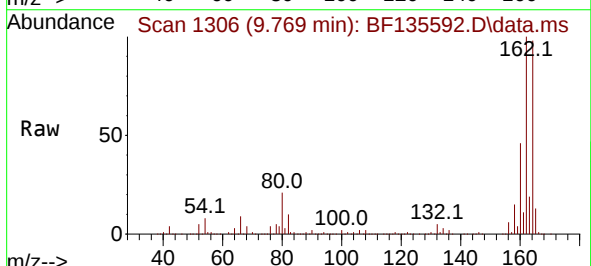
Tgt Ion:164 Resp: 220165

Ion Ratio Lower Upper

164 100

162 102.1 81.0 121.4

160 47.0 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 80.521 ng
RT: 10.569 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Instrument :

BNA_F

ClientSampleId :

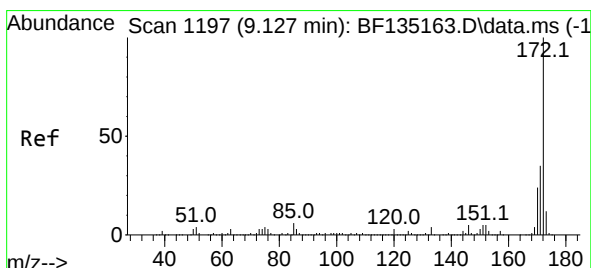
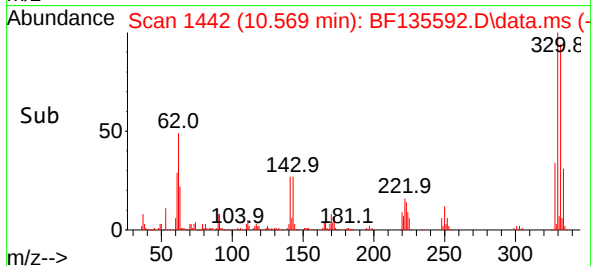
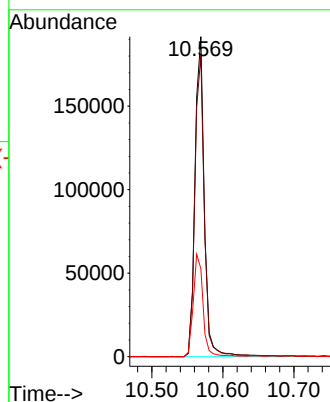
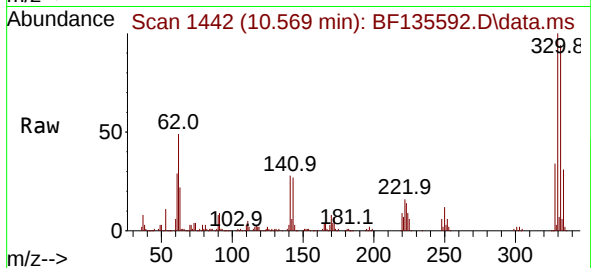
HR-3-092923

Tgt Ion:330 Resp: 17617
Ion Ratio Lower Upper
330 100
332 95.4 77.3 115.9
141 33.5 25.8 38.8

Manual Integrations

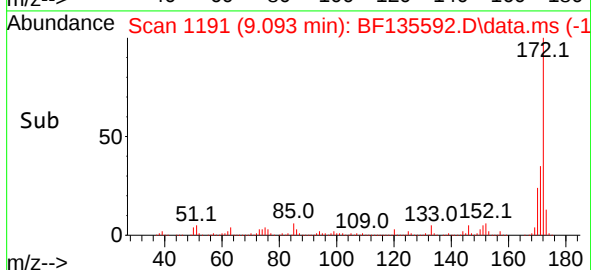
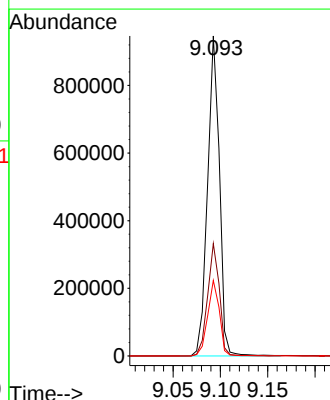
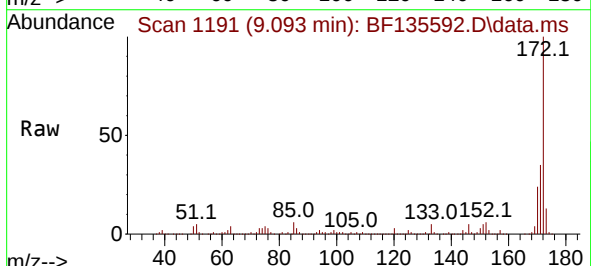
APPROVED

Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#45
2-Fluorobiphenyl
Concen: 56.426 ng
RT: 9.093 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Tgt Ion:172 Resp: 823413
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.6 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Instrument :

BNA_F

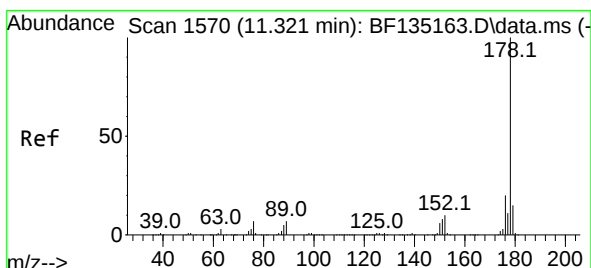
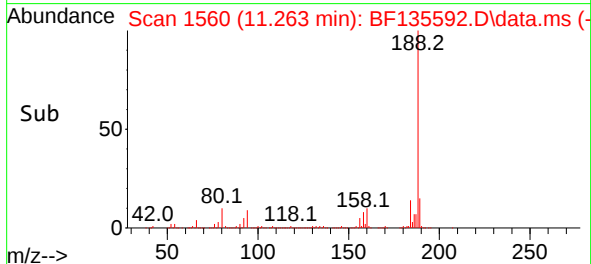
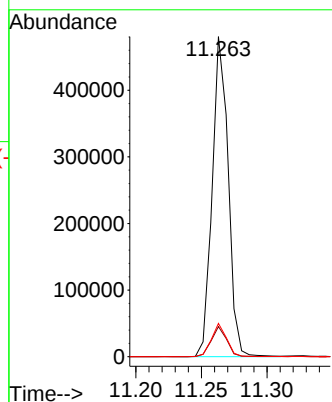
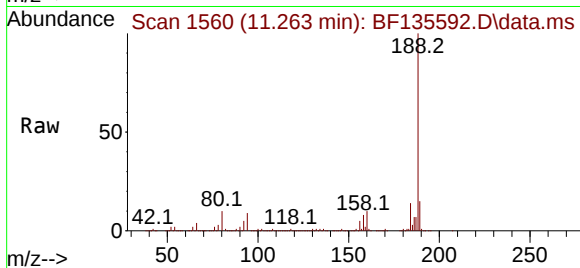
ClientSampleId :

HR-3-092923

Tgt Ion:188 Resp: 40818
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.6
80 10.4 7.5 11.3

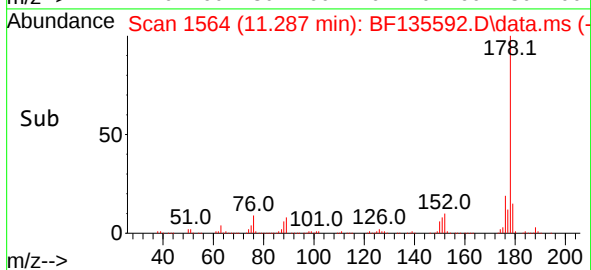
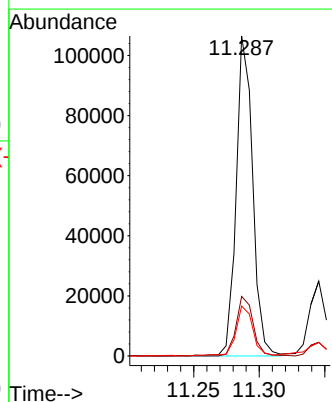
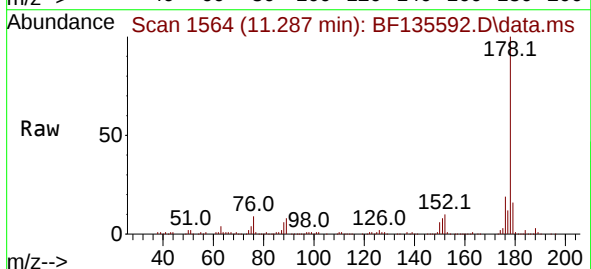
Manual Integrations
APPROVED

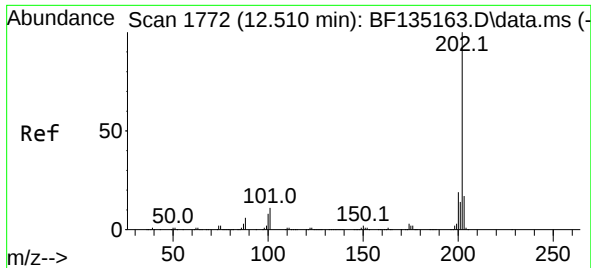
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#71
Phenanthrene
Concen: 4.830 ng
RT: 11.287 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

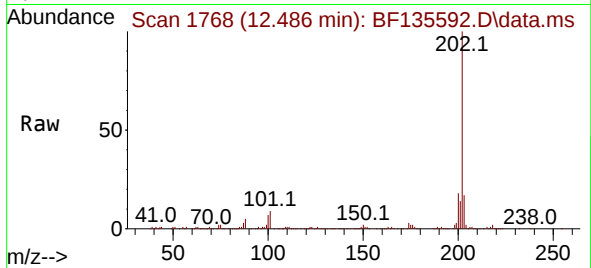
Tgt Ion:178 Resp: 93244
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.6 12.0 18.0





#75
Fluoranthene
Concen: 6.487 ng
RT: 12.486 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

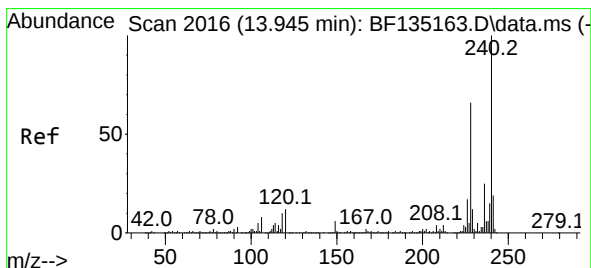
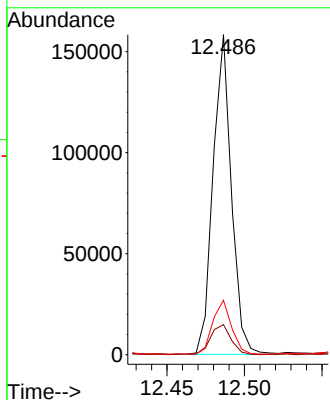
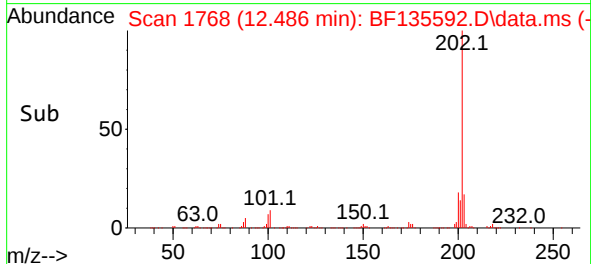
Instrument :
BNA_F
ClientSampleId :
HR-3-092923



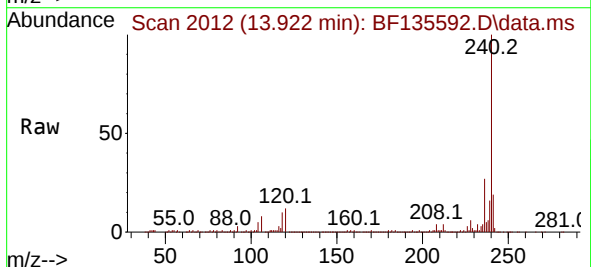
Tgt Ion:202 Resp: 130490
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.3
203 17.0 0.0 37.4

Manual Integrations
APPROVED

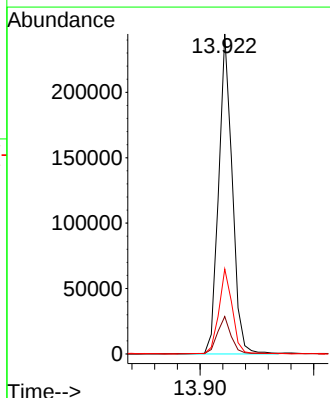
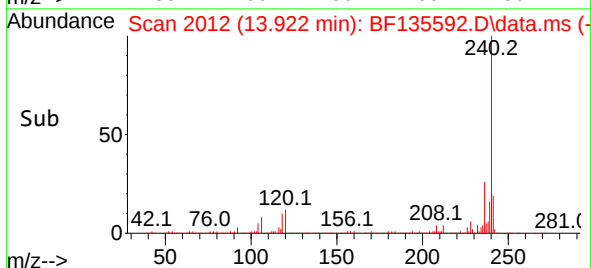
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023

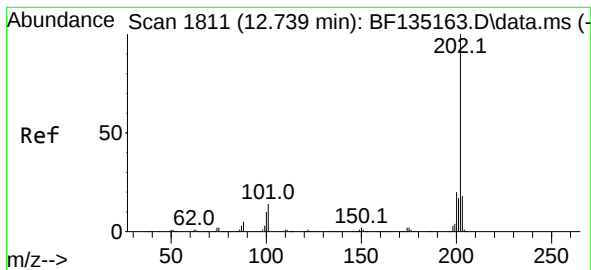


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.922 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04



Tgt Ion:240 Resp: 203626
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.2
236 26.6 19.8 29.8





#78

Pyrene

Concen: 6.409 ng

RT: 12.716 min Scan# 1807

Delta R.T. 0.000 min

Lab File: BF135592.D

Acq: 05 Oct 2023 03:04

Instrument :

BNA_F

ClientSampleId :

HR-3-092923

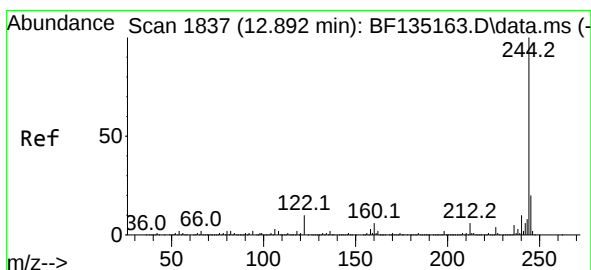
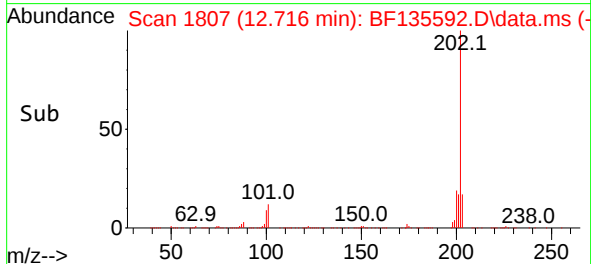
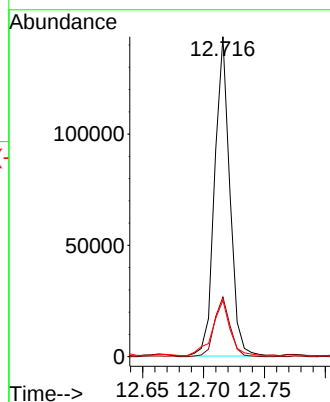
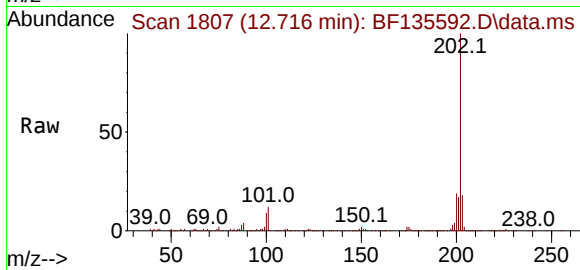
Tgt Ion:202 Resp: 124258
 Ion Ratio Lower Upper
 202 100
 200 18.6 16.2 24.2
 203 17.6 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/05/2023

Supervised By :mohammad ahmed 10/06/2023



#79

Terphenyl-d14

Concen: 51.887 ng

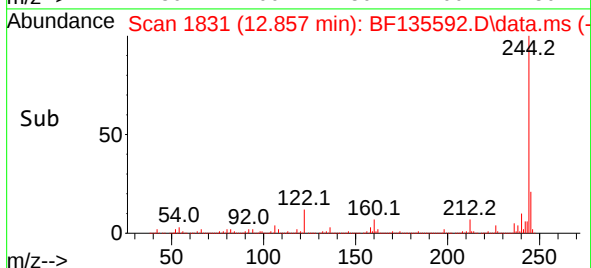
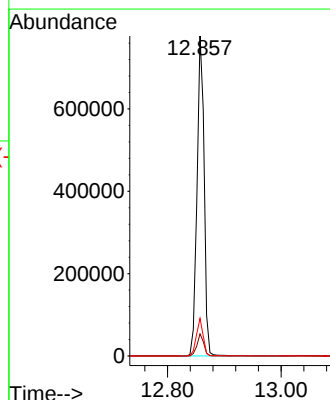
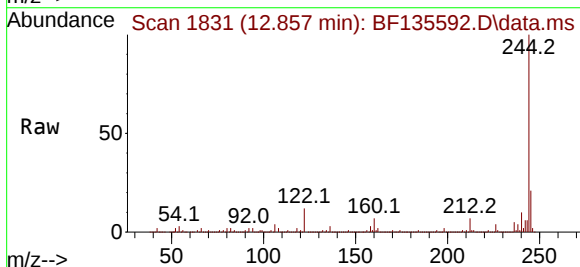
RT: 12.857 min Scan# 1831

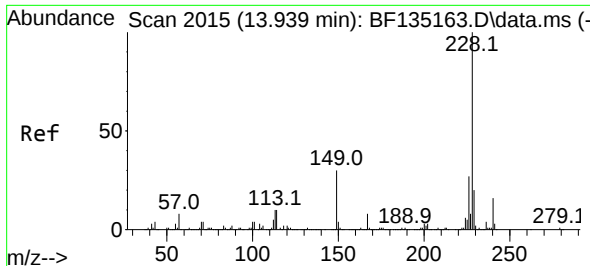
Delta R.T. -0.006 min

Lab File: BF135592.D

Acq: 05 Oct 2023 03:04

Tgt Ion:244 Resp: 681561
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.1 7.7
 122 11.8 7.9 11.9





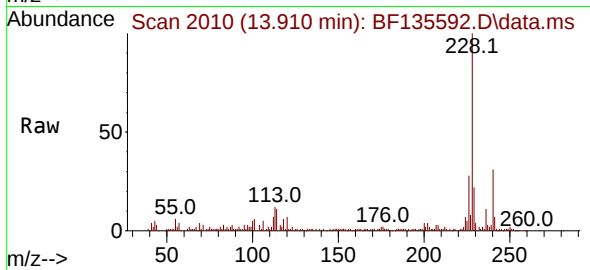
#81
Benzo(a)anthracene
Concen: 3.555 ng
RT: 13.910 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Instrument :

BNA_F

ClientSampleId :

HR-3-092923

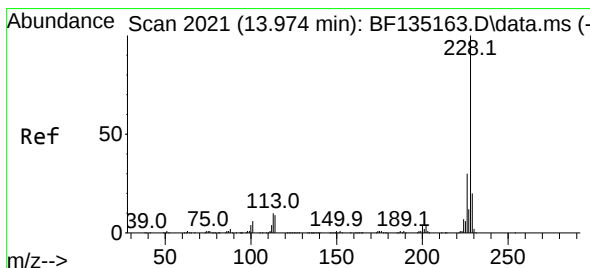
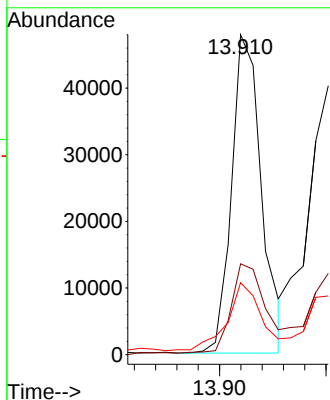
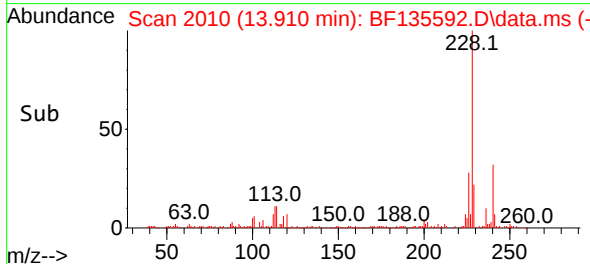


Tgt Ion:228 Resp: 46739
Ion Ratio Lower Upper
228 100
226 28.4 21.7 32.5
229 22.5 15.8 23.8

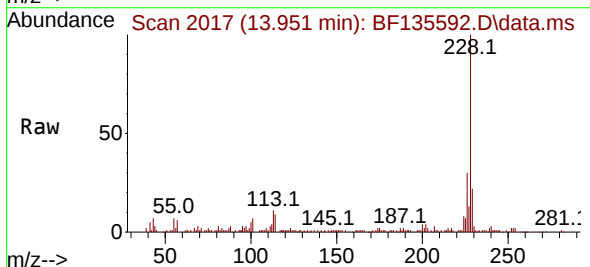
Manual Integrations

APPROVED

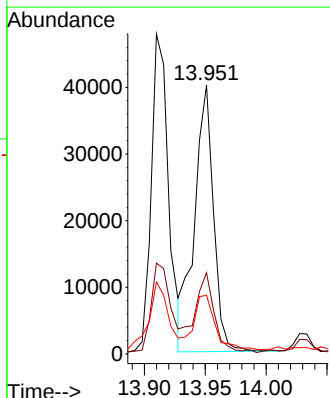
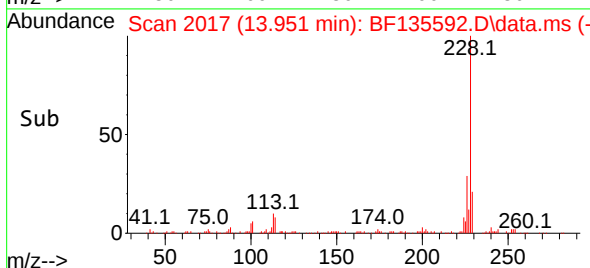
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023

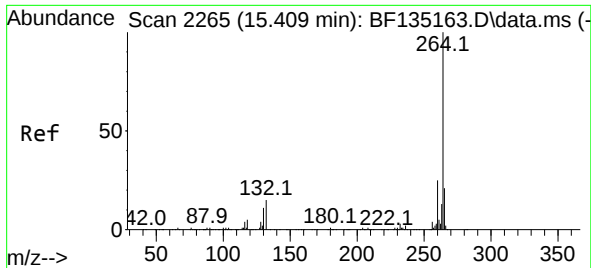


#83
Chrysene
Concen: 3.349 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04



Tgt Ion:228 Resp: 43780
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 21.8 16.0 24.0





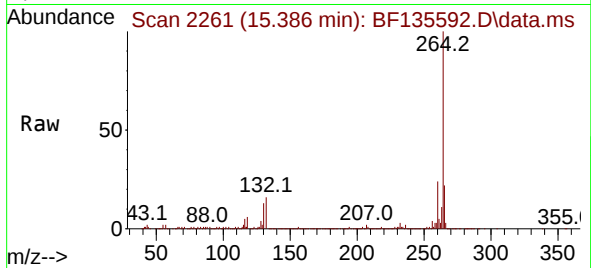
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.386 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Instrument :

BNA_F

ClientSampleId :

HR-3-092923

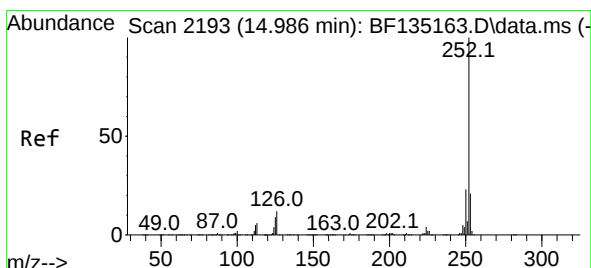
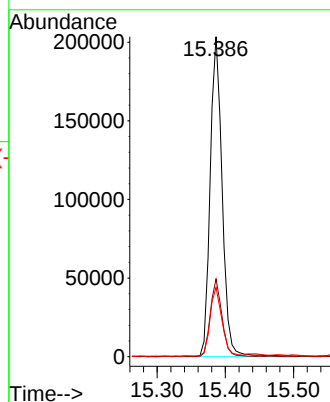
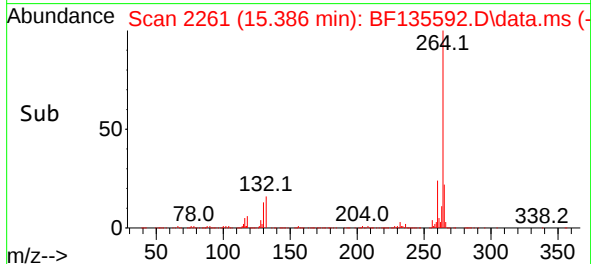


Tgt Ion:264 Resp: 24831
Ion Ratio Lower Upper
264 100
260 24.3 19.8 29.6
265 21.7 17.0 25.4

Manual Integrations

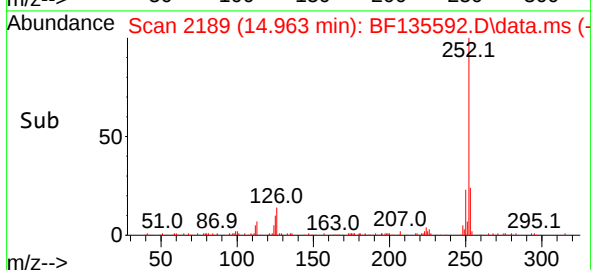
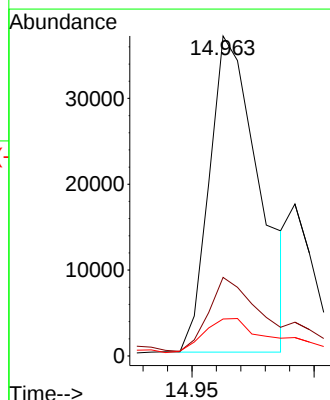
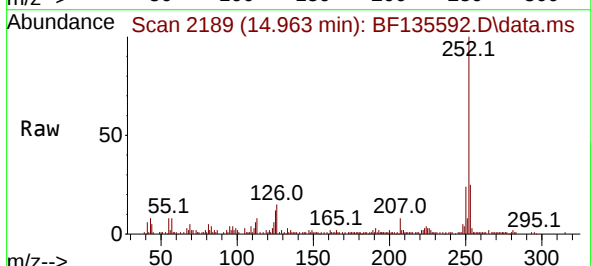
APPROVED

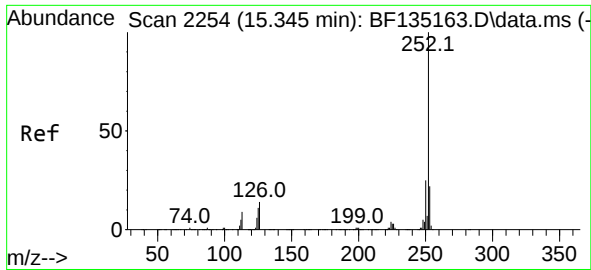
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#88
Benzo(b)fluoranthene
Concen: 3.880 ng m
RT: 14.963 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

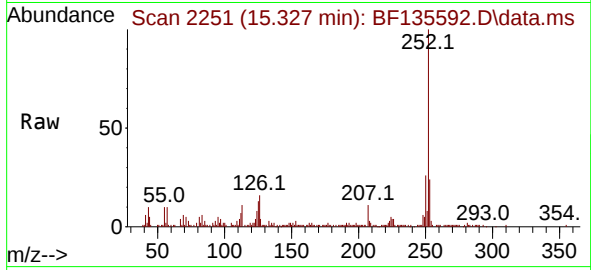
Tgt Ion:252 Resp: 52152
Ion Ratio Lower Upper
252 100
253 24.6 17.2 25.8
125 11.6 7.1 10.7#





#90
Benzo(a)pyrene
Concen: 3.122 ng
RT: 15.327 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135592.D
Acq: 05 Oct 2023 03:04

Instrument :
BNA_F
ClientSampleId :
HR-3-092923



Tgt Ion:252 Resp: 40018
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 13.5 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023

