

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
 Data File : BF137780.D
 Acq On : 30 Apr 2024 20:04
 Operator : CG\JU
 Sample : P2309-01 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042924

Quant Time: May 01 04:25:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:25:08 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
 Supervised By :mohammad ahmed 05/03/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	209384	20.000	ng	0.00
21) Naphthalene-d8	8.339	136	802014	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	392725	20.000	ng	0.00
64) Phenanthrene-d10	11.598	188	527125	20.000	ng	0.00
76) Chrysene-d12	14.251	240	426973	20.000	ng	0.00
86) Perylene-d12	15.827	264	424760	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	111350	8.904	ng	0.00
7) Phenol-d6	6.657	99	139427	8.790	ng	-0.02
23) Nitrobenzene-d5	7.610	82	76315	5.528	ng	-0.01
42) 2,4,6-Tribromophenol	10.892	330	26595	6.632	ng	0.00
45) 2-Fluorobiphenyl	9.416	172	173507	7.168	ng	0.00
79) Terphenyl-d14	13.180	244	127317	4.997	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.651	166	59302	2.454	ng	98
71) Phenanthrene	11.621	178	345280	13.439	ng	99
72) Anthracene	11.674	178	101935	3.987	ng	98
75) Fluoranthene	12.816	202	420246	14.963	ng	98
78) Pyrene	13.051	202	403494	11.919	ng	99
81) Benzo(a)anthracene	14.239	228	246410	9.023	ng	98
83) Chrysene	14.274	228	203261	7.949	ng	97
87) Indeno(1,2,3-cd)pyrene	17.456	276	79721	3.301	ng	95
88) Benzo(b)fluoranthene	15.351	252	241639m	9.144	ng	
89) Benzo(k)fluoranthene	15.374	252	82990m	3.249	ng	
90) Benzo(a)pyrene	15.751	252	181249	8.407	ng	96
92) Benzo(g,h,i)perylene	17.956	276	73732	3.578	ng	# 95

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

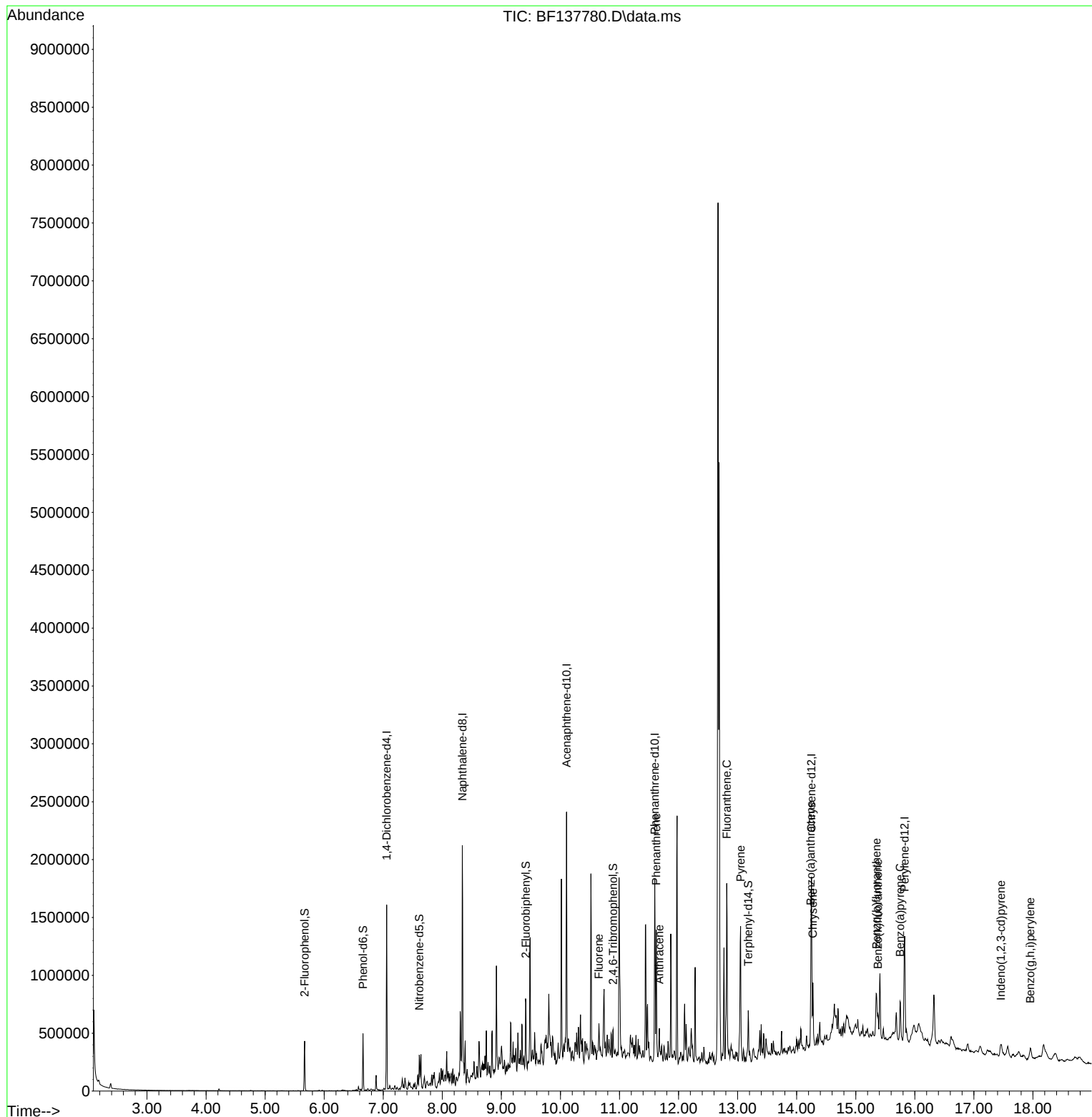
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
Data File : BF137780.D
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Sample : P2309-01 10X
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ALS Vial : 18 Sample Multiplier: 1

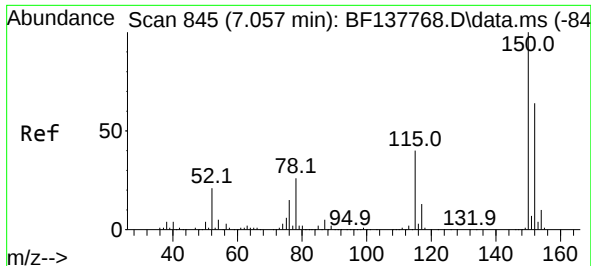
Instrument :
BNA_F
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TR-05-042924

Quant Time: May 01 04:25:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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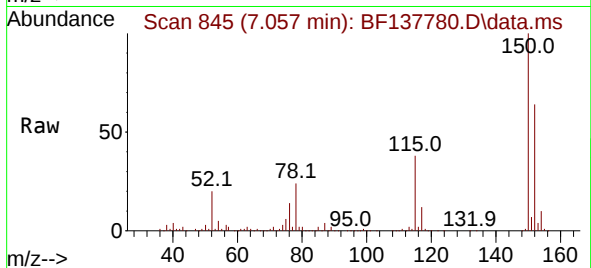
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

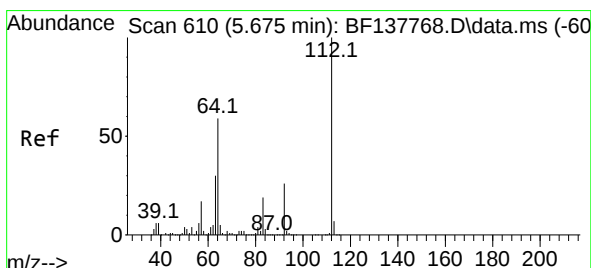
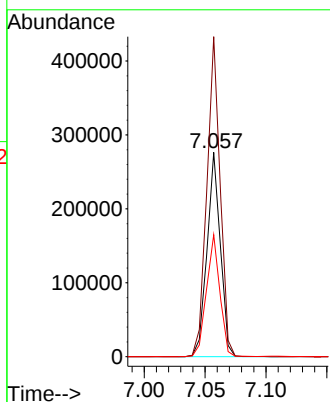
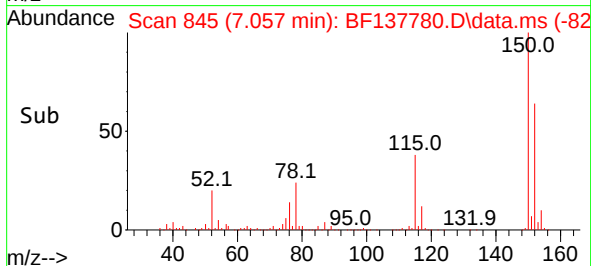
Instrument :
BNA_F
ClientSampleId :
TR-05-042924



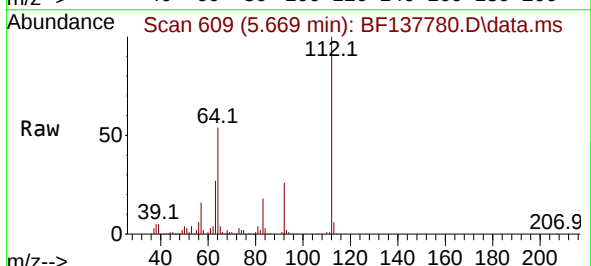
Tgt Ion:152 Resp: 209384
Ion Ratio Lower Upper
152 100
150 156.6 124.1 186.1
115 59.7 49.1 73.7

Manual Integrations
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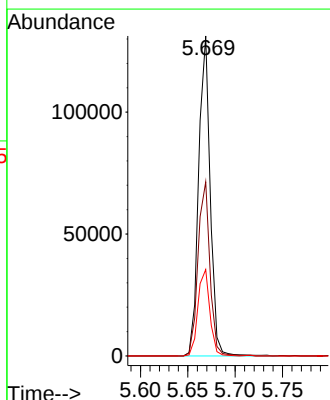
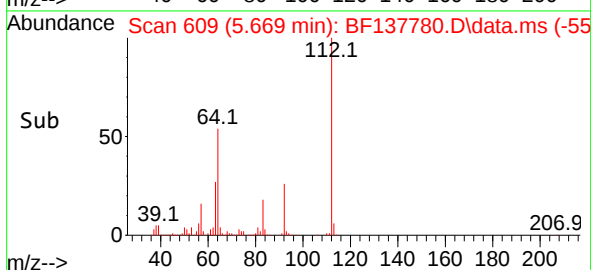
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

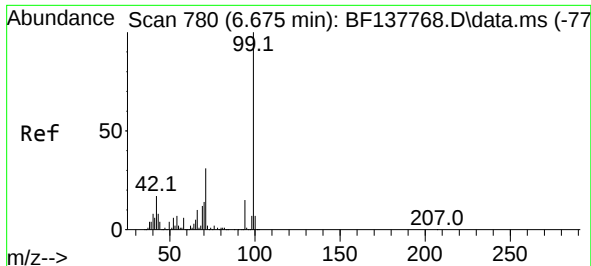


#5
2-Fluorophenol
Concen: 8.904 ng
RT: 5.669 min Scan# 609
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04



Tgt Ion:112 Resp: 111350
Ion Ratio Lower Upper
112 100
64 54.4 47.3 70.9
63 27.0 23.7 35.5





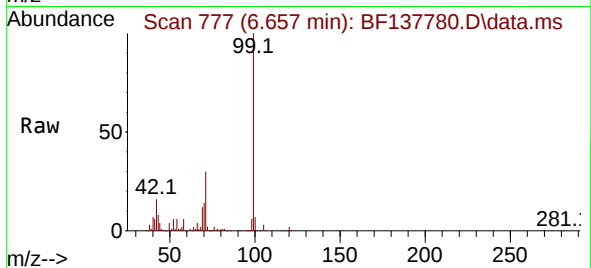
#7
Phenol-d6
Concen: 8.790 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

TR-05-042924

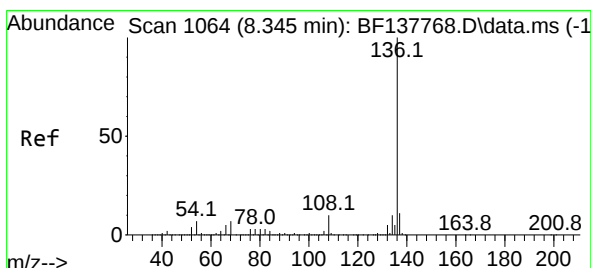
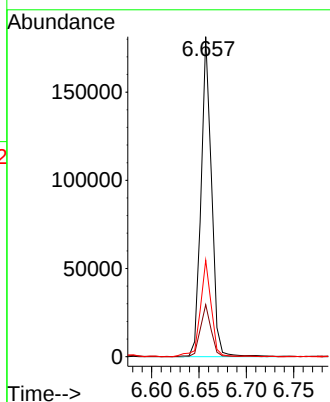
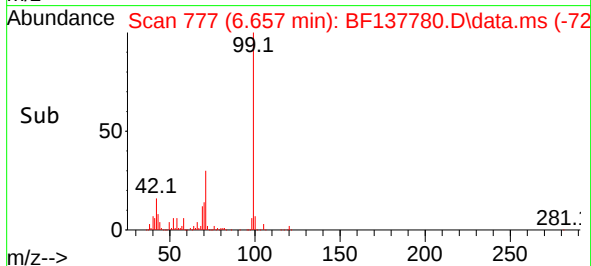


Tgt Ion: 99 Resp: 13942
Ion Ratio Lower Upper
99 100
42 16.3 13.2 19.8
71 30.2 25.0 37.4

Manual Integrations

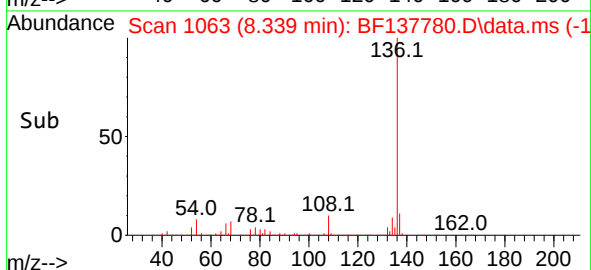
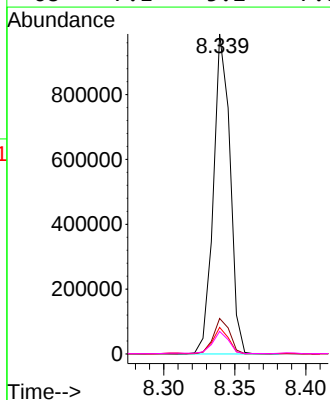
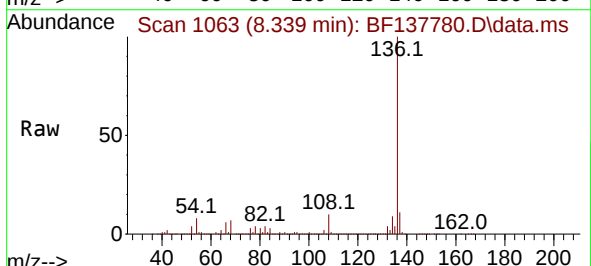
APPROVED

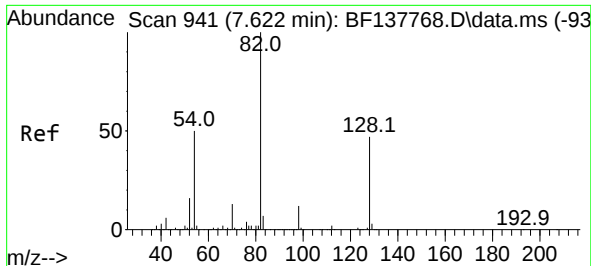
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.339 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Tgt Ion:136 Resp: 802014
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.3 5.8 8.8
68 7.1 5.2 7.8





#23
Nitrobenzene-d5
Concen: 5.528 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

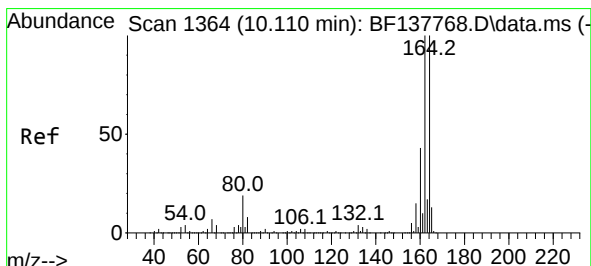
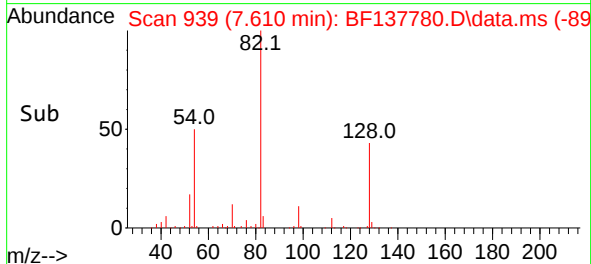
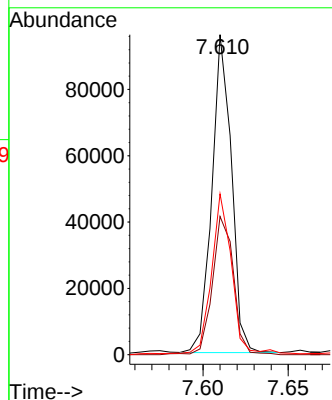
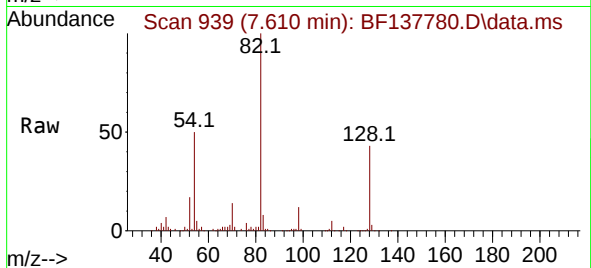
TR-05-042924

Tgt Ion: 82 Resp: 7631
Ion Ratio Lower Upper
82 100
128 43.2 37.5 56.3
54 50.3 39.8 59.6

Manual Integrations

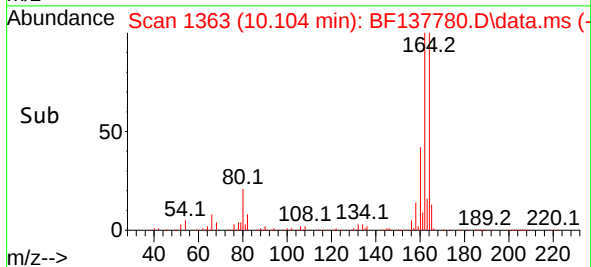
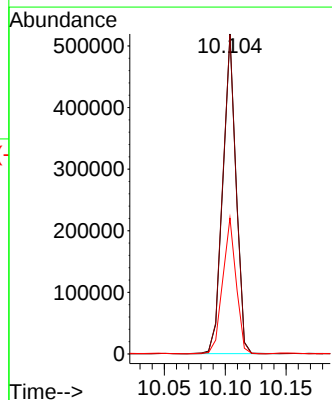
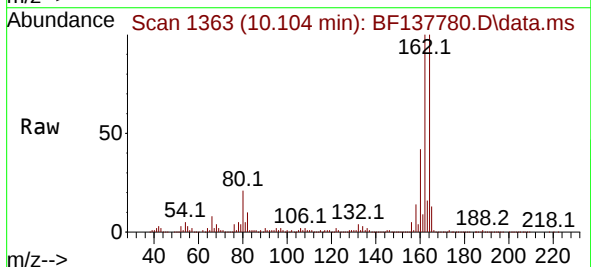
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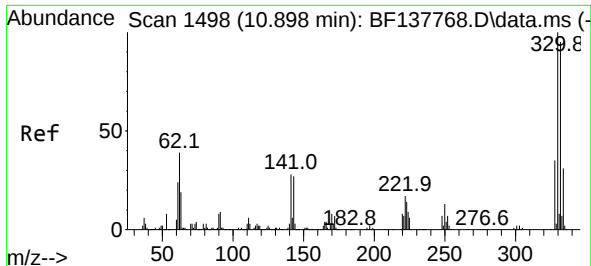
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Tgt Ion:164 Resp: 392725
Ion Ratio Lower Upper
164 100
162 99.8 79.8 119.6
160 42.5 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 6.632 ng
RT: 10.892 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

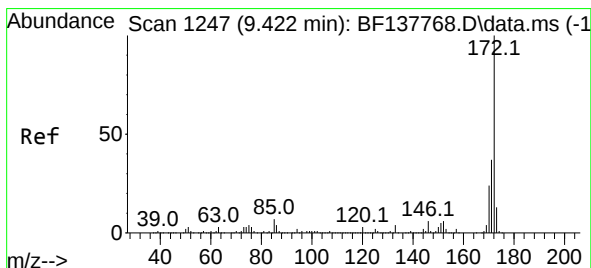
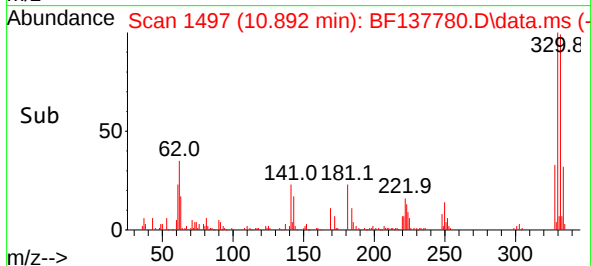
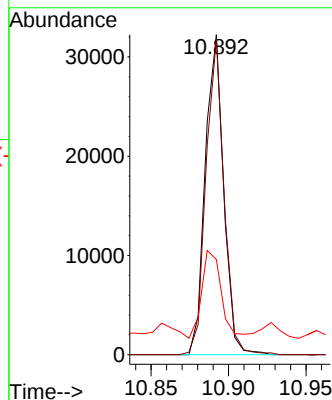
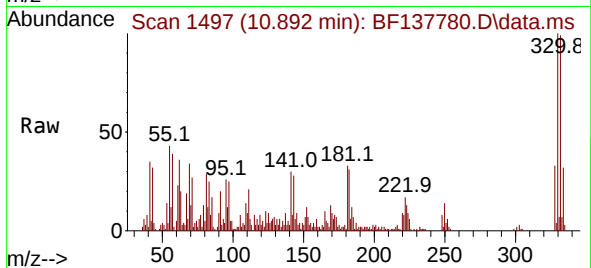
TR-05-042924

Tgt Ion:330 Resp: 2659
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 28.7 23.8 35.6

Manual Integrations

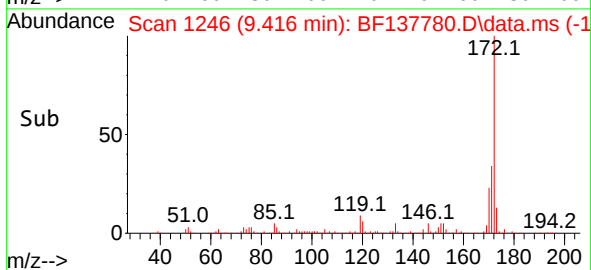
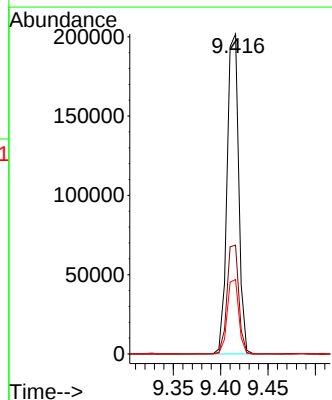
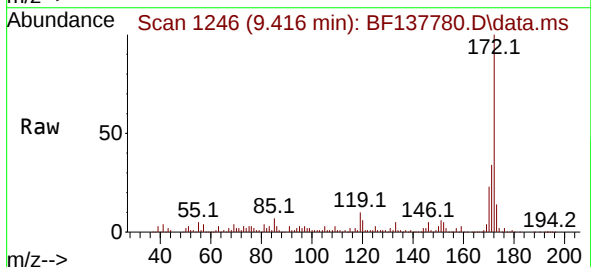
APPROVED

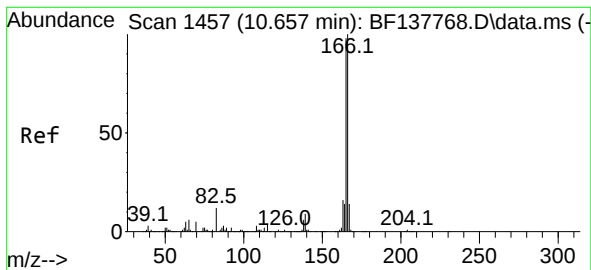
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#45
2-Fluorobiphenyl
Concen: 7.168 ng
RT: 9.416 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Tgt Ion:172 Resp: 173507
Ion Ratio Lower Upper
172 100
171 34.0 29.6 44.4
170 23.2 19.4 29.2





#58

Fluorene

Concen: 2.454 ng

RT: 10.651 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

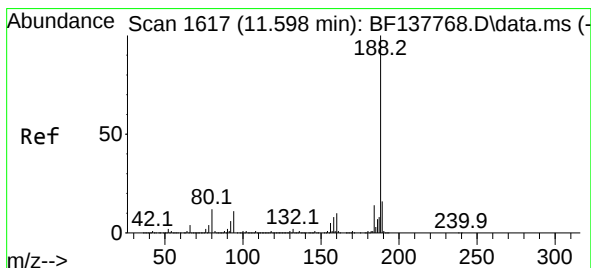
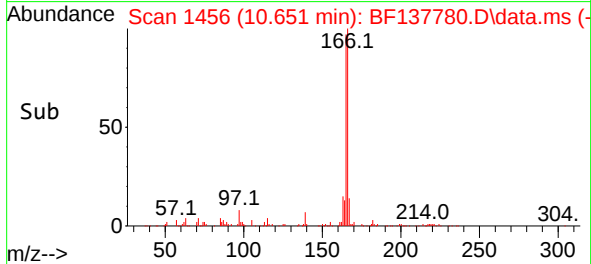
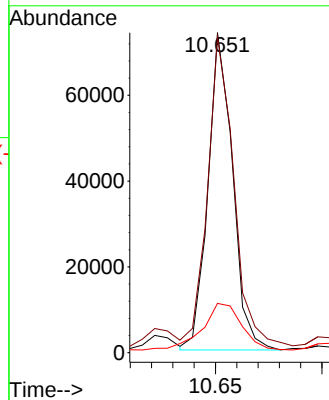
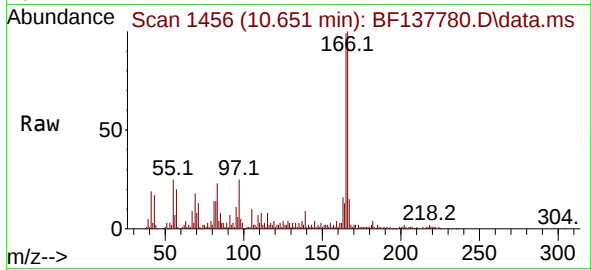
TR-05-042924

Tgt Ion:166 Resp: 59302
 Ion Ratio Lower Upper
 166 100
 165 98.8 78.2 117.2
 167 15.4 10.9 16.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/01/2024
 Supervised By :mohammad ahmed 05/03/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

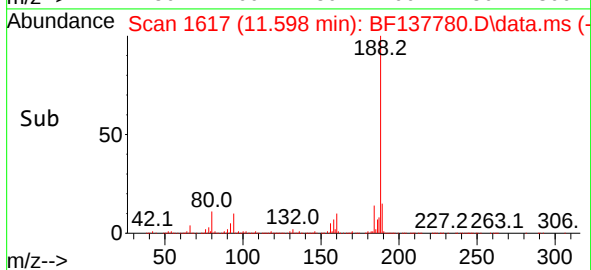
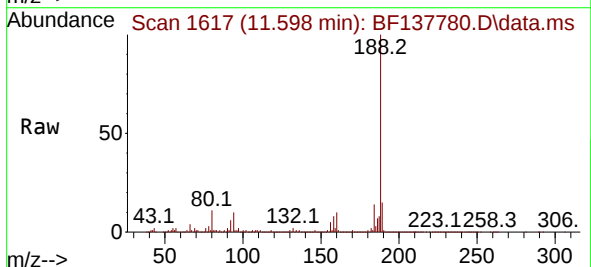
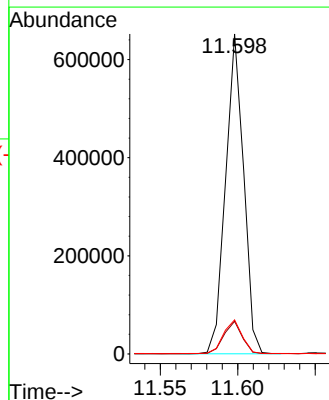
RT: 11.598 min Scan# 1617

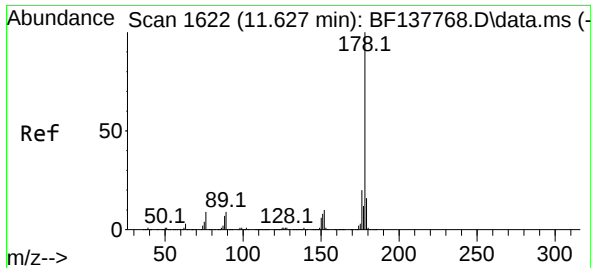
Delta R.T. -0.000 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Tgt Ion:188 Resp: 527125
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.8 13.2
 80 10.7 9.6 14.4





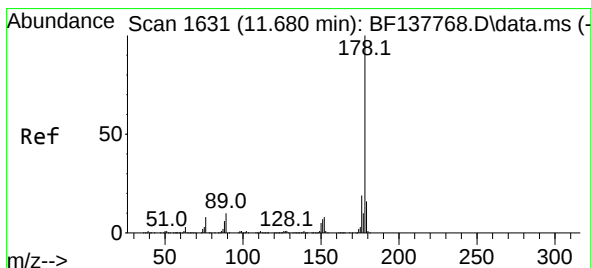
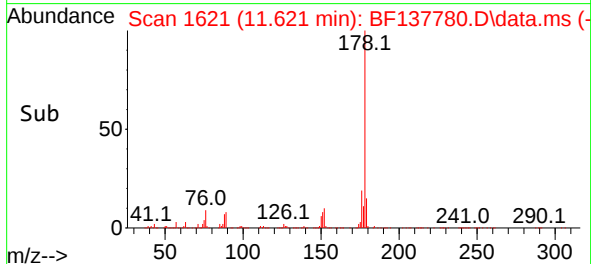
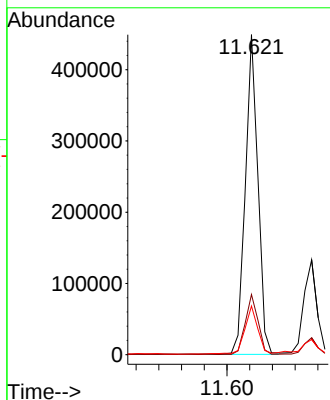
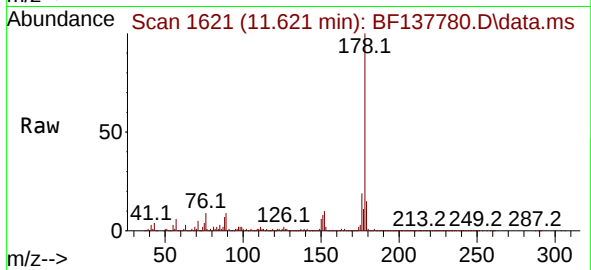
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Phenanthrene
Concen: 13.439 ng
RT: 11.621 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Instrument :
BNA_F
ClientSampleId :
TR-05-042924

Tgt Ion:178 Resp: 345280
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.2 12.5 18.7

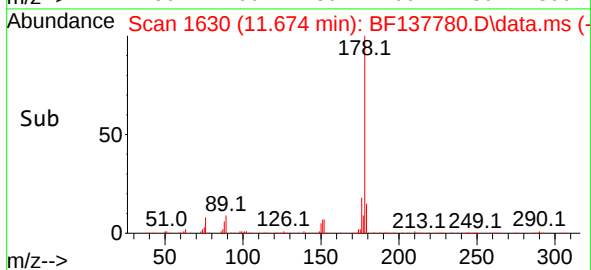
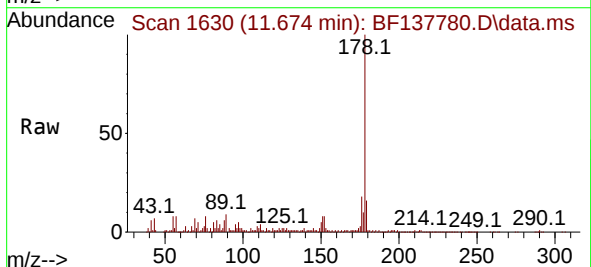
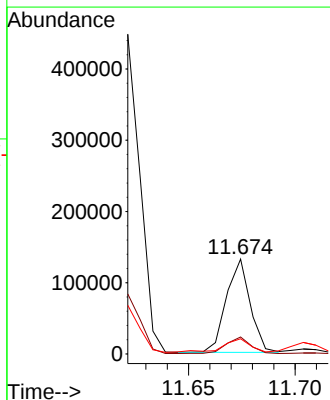
Manual Integrations
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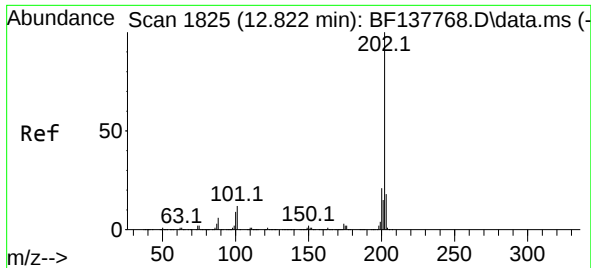
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#72
Anthracene
Concen: 3.987 ng
RT: 11.674 min Scan# 1630
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

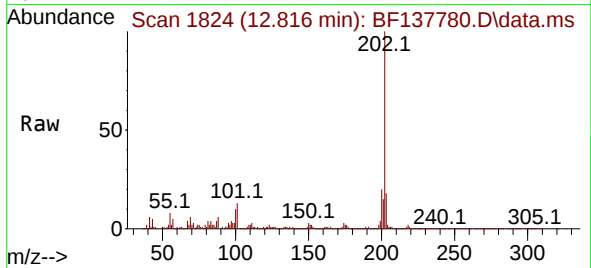
Tgt Ion:178 Resp: 101935
Ion Ratio Lower Upper
178 100
176 18.0 15.2 22.8
179 16.0 12.6 18.8





#75
Fluoranthene
Concen: 14.963 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

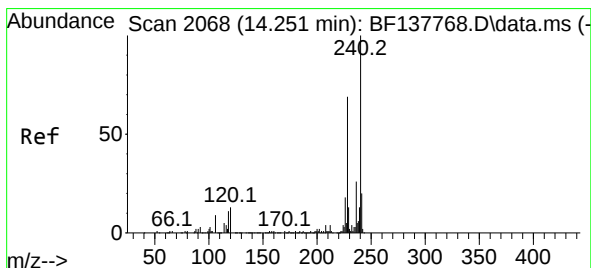
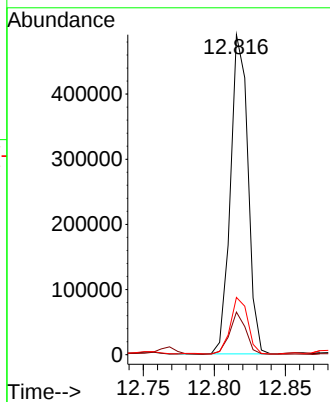
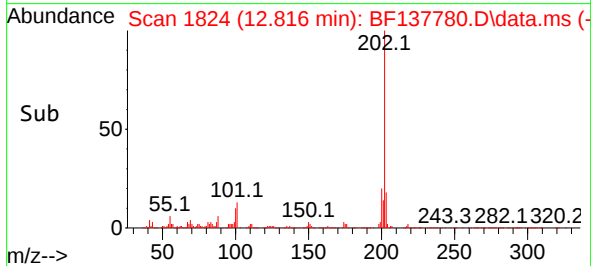
Instrument :
BNA_F
ClientSampleId :
TR-05-042924



Tgt Ion:202 Resp: 420240
Ion Ratio Lower Upper
202 100
101 13.3 0.0 31.8
203 17.9 0.0 37.8

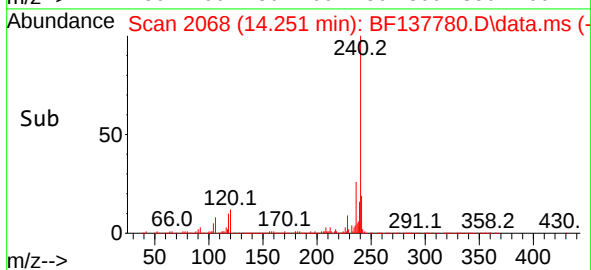
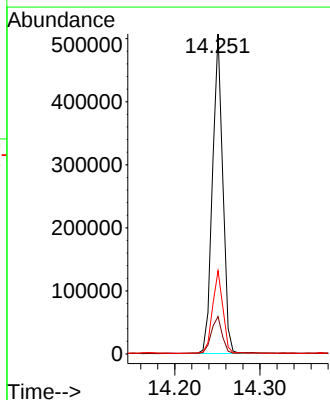
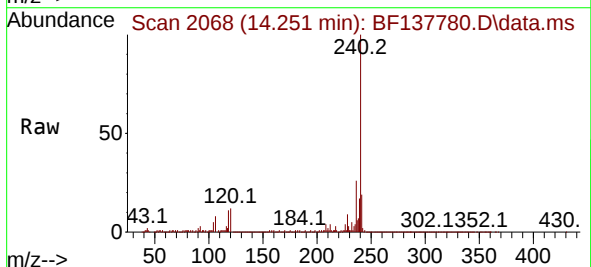
Manual Integrations
APPROVED

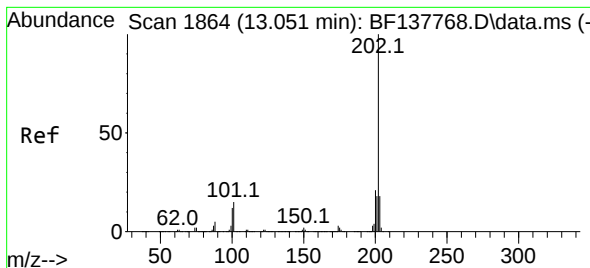
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.000 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Tgt Ion:240 Resp: 426973
Ion Ratio Lower Upper
240 100
120 11.7 10.4 15.6
236 26.0 20.4 30.6





#78

Pyrene

Concen: 11.919 ng

RT: 13.051 min Scan# 1864

Delta R.T. -0.000 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

TR-05-042924

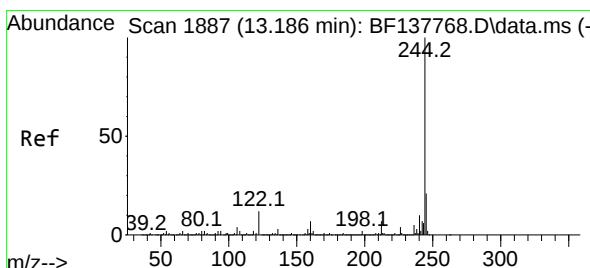
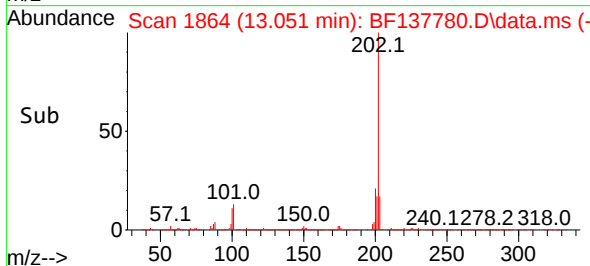
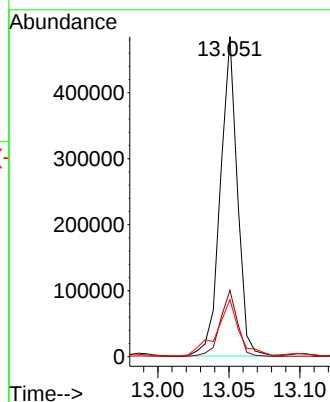
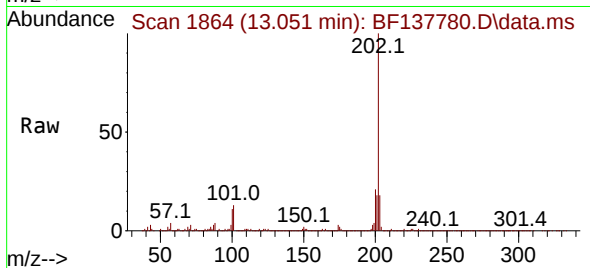
Tgt Ion:202 Resp: 403494

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.2	25.8
203	17.8	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#79

Terphenyl-d14

Concen: 4.997 ng

RT: 13.180 min Scan# 1886

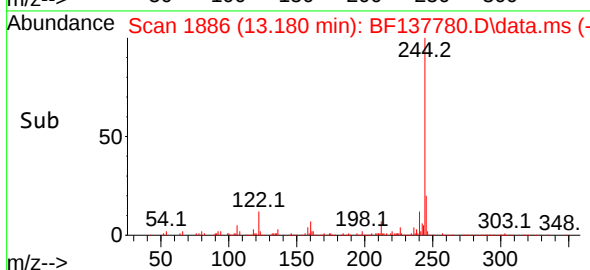
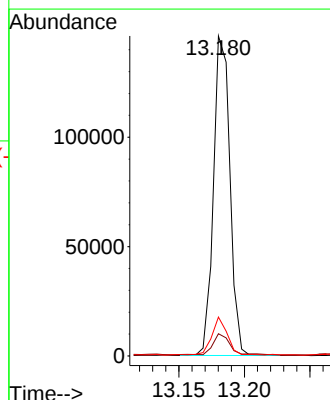
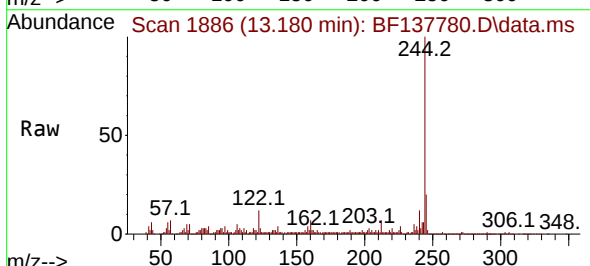
Delta R.T. -0.006 min

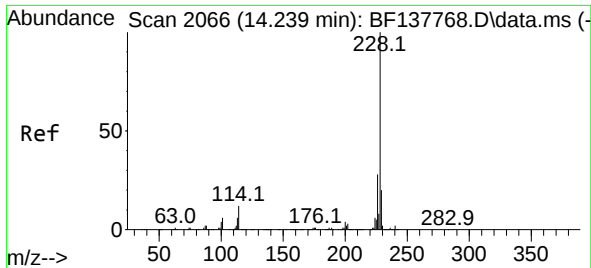
Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Tgt Ion:244 Resp: 127317

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	12.2	9.4	14.2





#81
Benzo(a)anthracene
Concen: 9.023 ng
RT: 14.239 min Scan# 2066
Delta R.T. -0.000 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

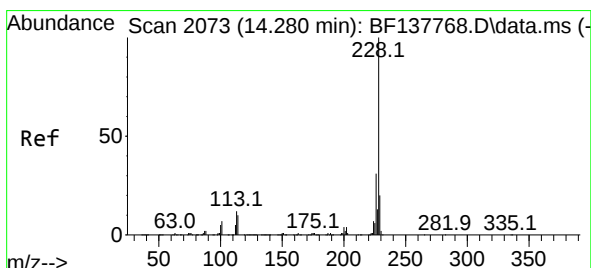
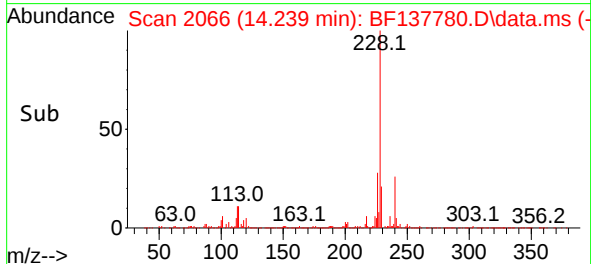
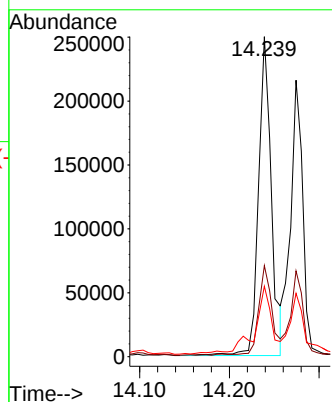
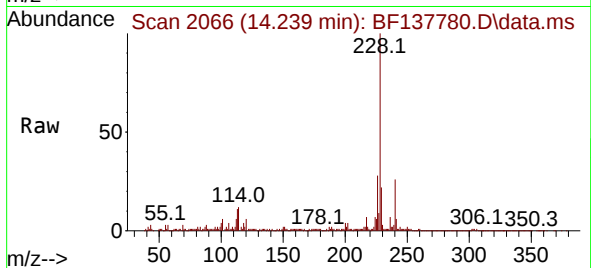
TR-05-042924

Tgt Ion:228 Resp: 246410
Ion Ratio Lower Upper
228 100
226 28.4 22.2 33.2
229 22.0 16.3 24.5

Manual Integrations

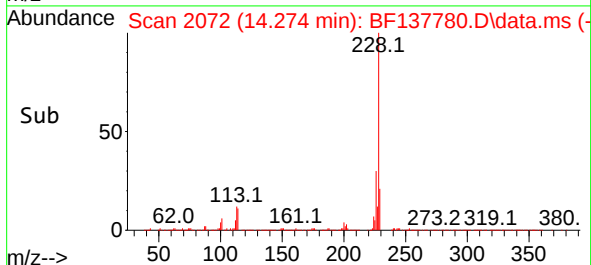
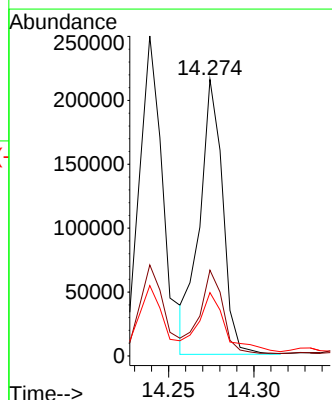
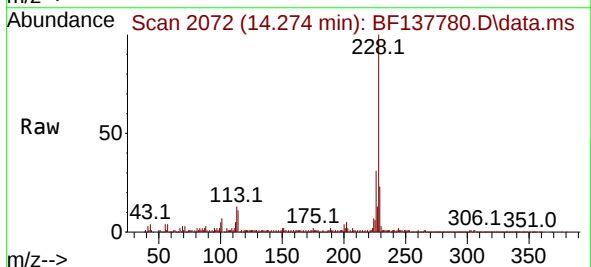
APPROVED

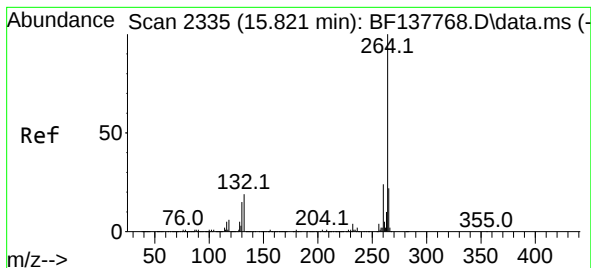
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#83
Chrysene
Concen: 7.949 ng
RT: 14.274 min Scan# 2072
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Tgt Ion:228 Resp: 203261
Ion Ratio Lower Upper
228 100
226 31.0 24.8 37.2
229 23.0 16.0 24.0





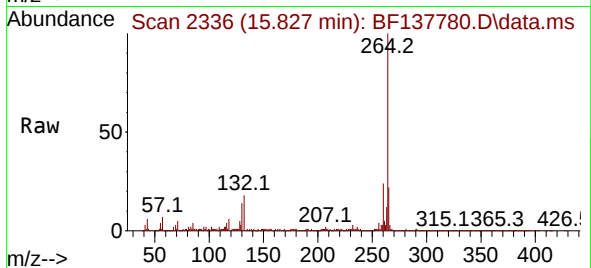
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.827 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

TR-05-042924

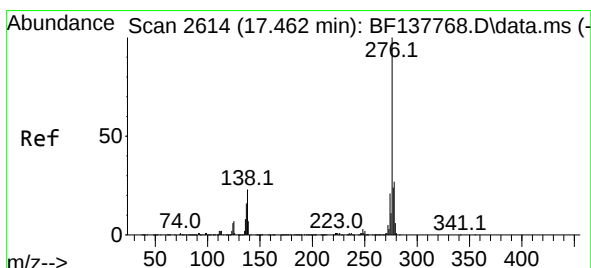
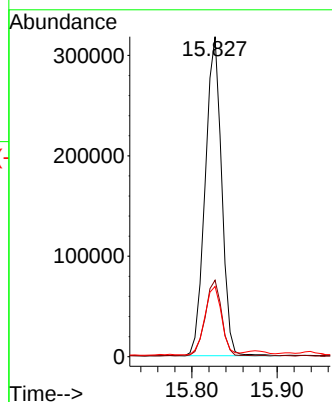
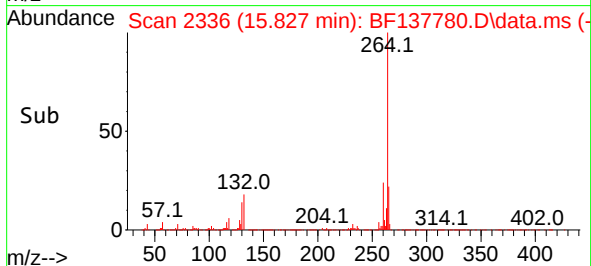


Tgt Ion:264 Resp: 424760
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 22.0 17.4 26.0

Manual Integrations

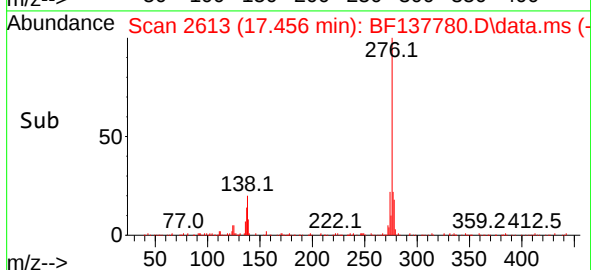
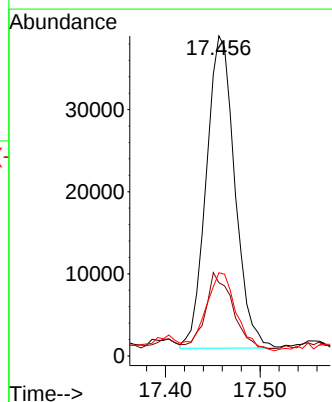
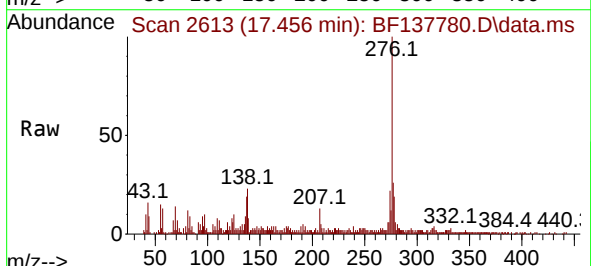
APPROVED

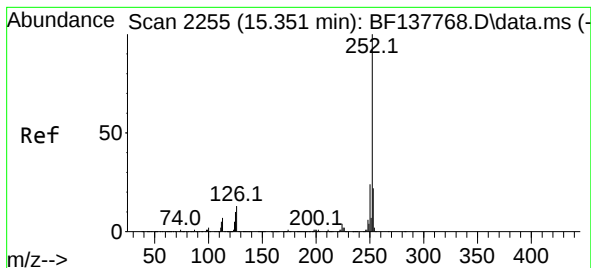
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.301 ng
RT: 17.456 min Scan# 2613
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Tgt Ion:276 Resp: 79721
Ion Ratio Lower Upper
276 100
138 23.0 21.4 32.0
277 26.8 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 9.144 ng m

RT: 15.351 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

TR-05-042924

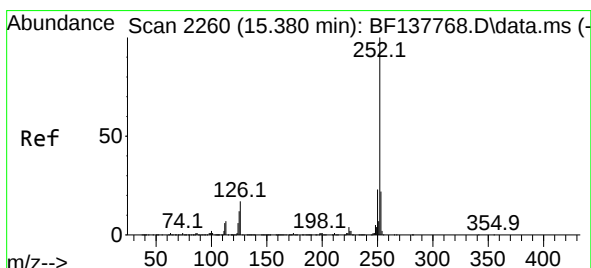
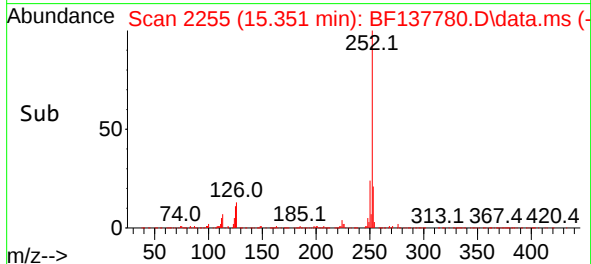
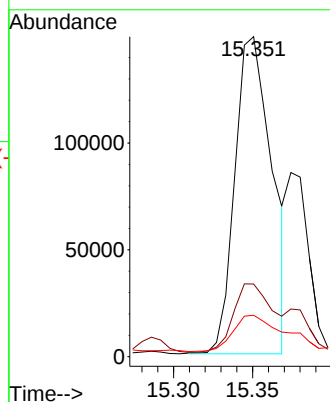
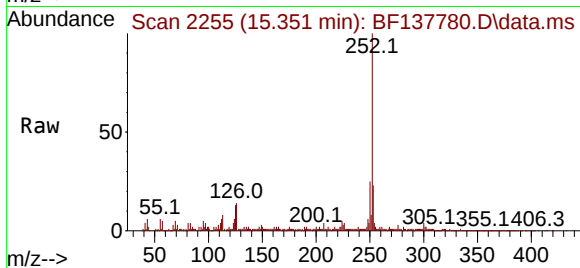
Tgt Ion:252 Resp: 241639

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	13.0	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#89

Benzo(k)fluoranthene

Concen: 3.249 ng m

RT: 15.374 min Scan# 2259

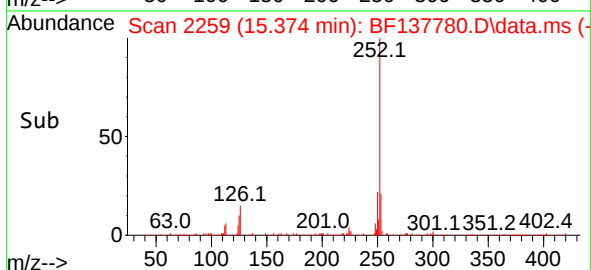
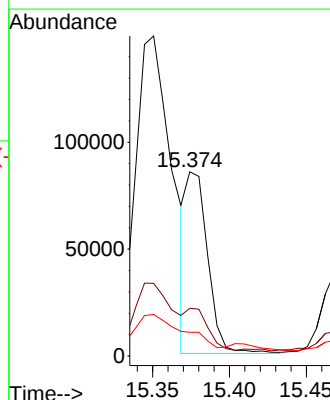
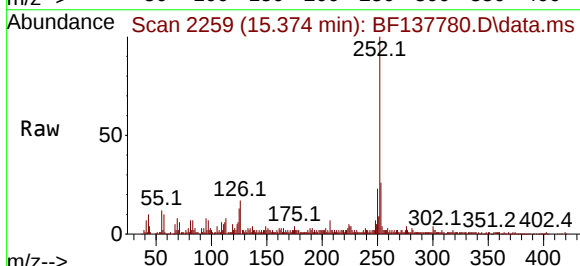
Delta R.T. -0.006 min

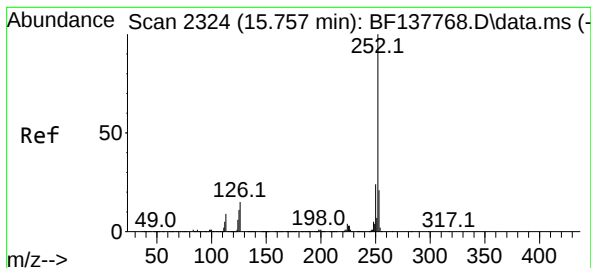
Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Tgt Ion:252 Resp: 82990

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.5	26.3
125	12.9	9.0	13.4





#90

Benzo(a)pyrene

Concen: 8.407 ng

RT: 15.751 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

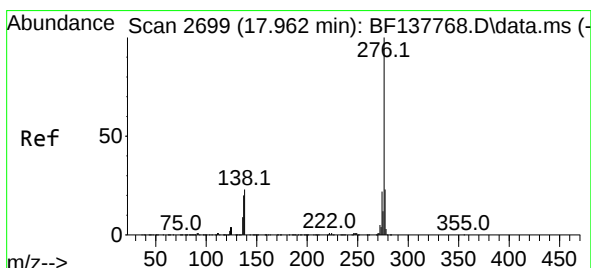
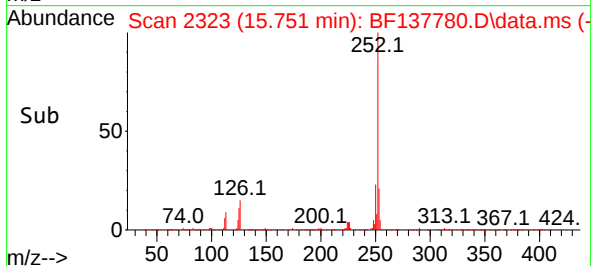
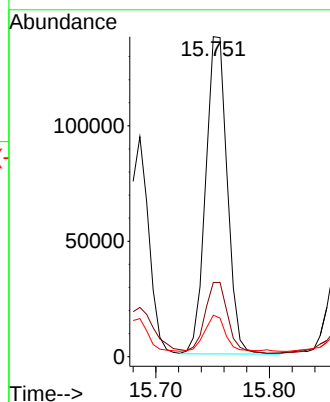
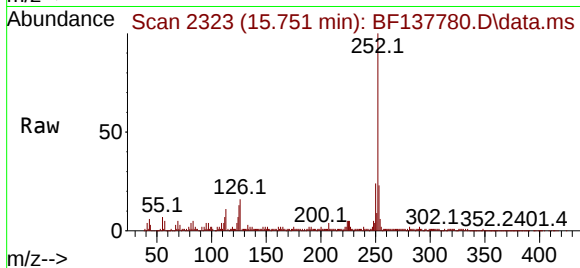
TR-05-042924

Tgt Ion:252 Resp: 181249
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.1 25.7
 125 12.9 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
 Supervised By :mohammad ahmed 05/03/2024



#92

Benzo(g,h,i)perylene

Concen: 3.578 ng

RT: 17.956 min Scan# 2698

Delta R.T. -0.006 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Tgt Ion:276 Resp: 73732
 Ion Ratio Lower Upper
 276 100
 277 27.5 18.0 27.0#
 138 22.8 18.1 27.1

