

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051724\
 Data File : BF137935.D
 Acq On : 17 May 2024 16:48
 Operator : CG\JU
 Sample : P2513-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

Quant Time: May 17 17:11:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.040	152	127349	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	491444	20.000	ng	0.00
39) Acenaphthene-d10	10.081	164	276807	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	464883	20.000	ng	0.00
76) Chrysene-d12	14.227	240	265340	20.000	ng	0.00
86) Perylene-d12	15.786	264	321342	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	661064	88.176	ng	0.00
7) Phenol-d6	6.651	99	811813	87.904	ng	0.00
23) Nitrobenzene-d5	7.598	82	483829	57.939	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	245250	87.870	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1023421	56.952	ng	0.00
79) Terphenyl-d14	13.163	244	950573	52.798	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.598	178	106642	4.655	ng	99
75) Fluoranthene	12.792	202	168495	7.246	ng	100
78) Pyrene	13.027	202	169388	7.299	ng	99
81) Benzo(a)anthracene	14.216	228	68374	4.073	ng	95
83) Chrysene	14.251	228	65591m	4.085	ng	
88) Benzo(b)fluoranthene	15.315	252	69848m	3.754	ng	
90) Benzo(a)pyrene	15.715	252	58492	3.682	ng	98

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

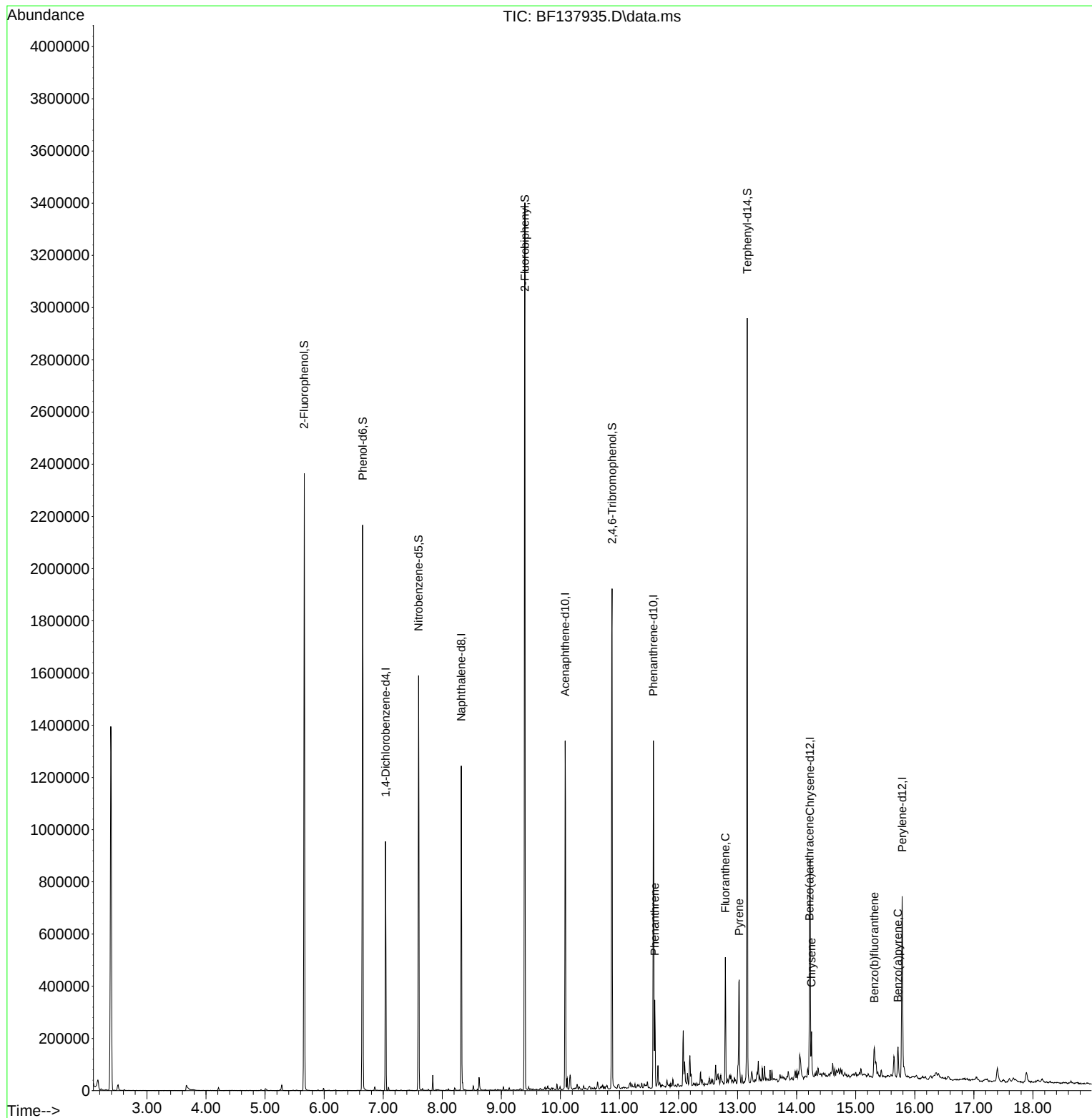
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051724\
Data File : BF137935.D
Acq On : 17 May 2024 16:48
Operator : CG\JU
Sample : P2513-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

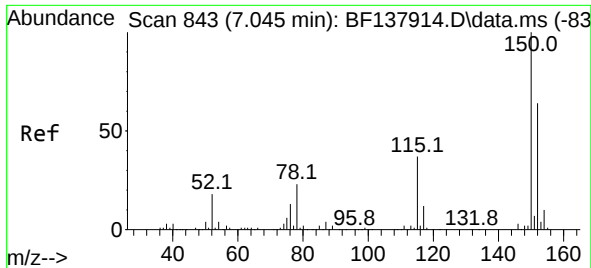
Instrument :
BNA_F
ClientSampleId :
TP-13

Quant Time: May 17 17:11:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 15 04:12:16 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

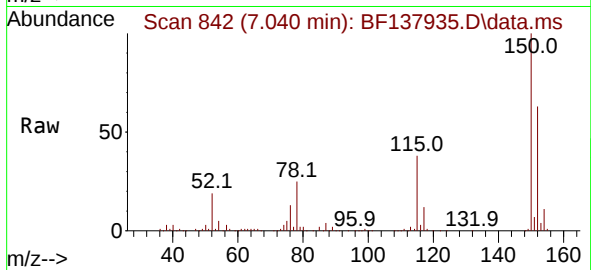
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.040 min Scan# 843
Delta R.T. -0.005 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

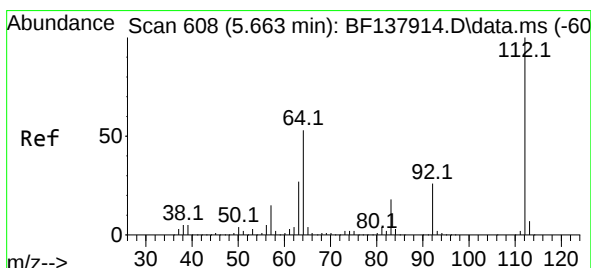
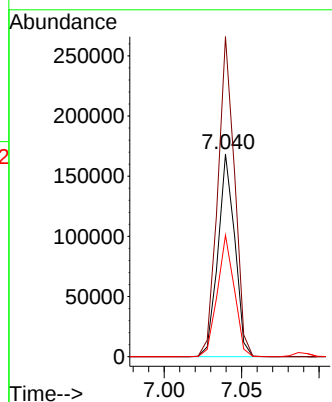
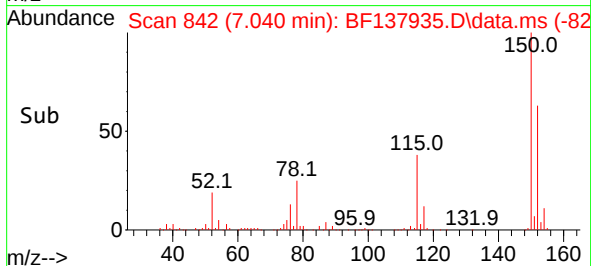
Instrument :
BNA_F
ClientSampleId :
TP-13



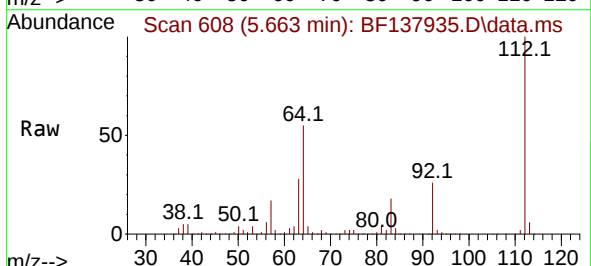
Tgt Ion:152 Resp: 127349
Ion Ratio Lower Upper
152 100
150 157.8 125.7 188.5
115 59.9 47.0 70.6

Manual Integrations
APPROVED

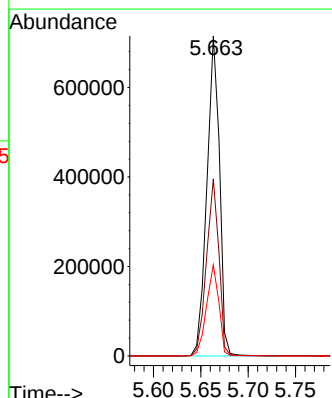
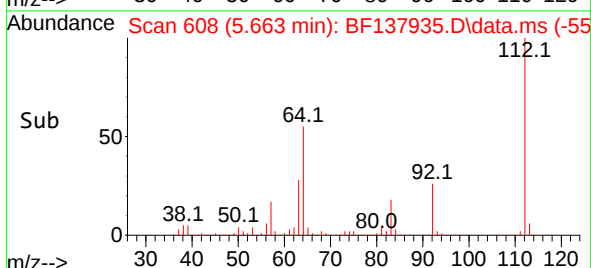
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

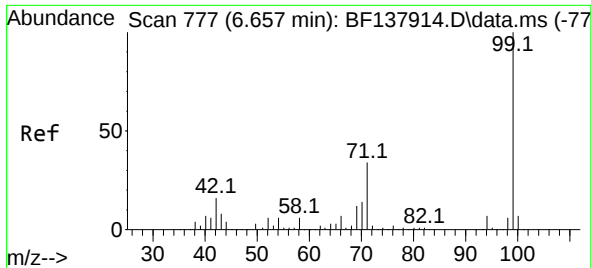


#5
2-Fluorophenol
Concen: 88.176 ng
RT: 5.663 min Scan# 608
Delta R.T. 0.000 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48



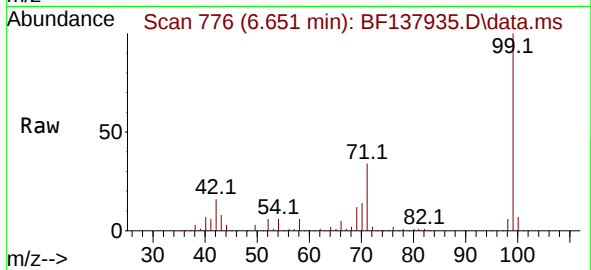
Tgt Ion:112 Resp: 661064
Ion Ratio Lower Upper
112 100
64 55.3 42.4 63.6
63 28.5 21.4 32.2





#7
Phenol-d6
Concen: 87.904 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

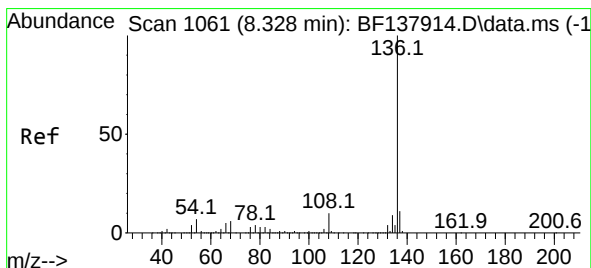
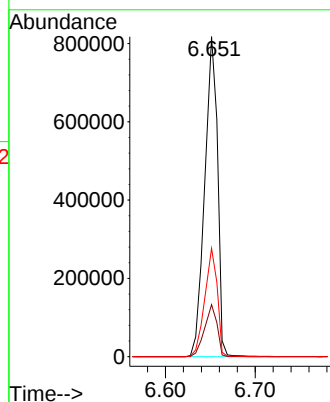
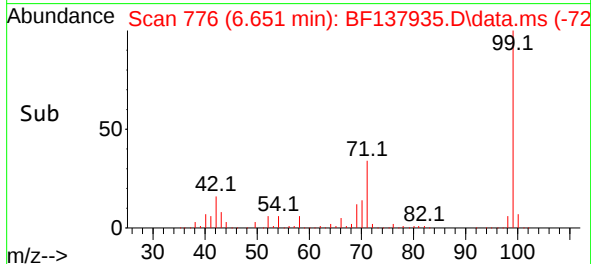
Instrument :
BNA_F
ClientSampleId :
TP-13



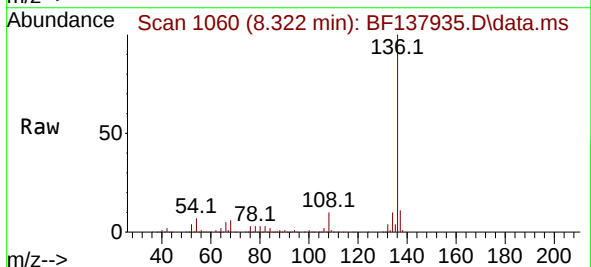
Tgt Ion: 99 Resp: 81181
Ion Ratio Lower Upper
99 100
42 16.3 12.6 18.8
71 33.9 27.1 40.7

Manual Integrations
APPROVED

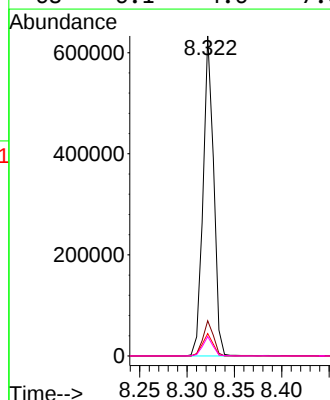
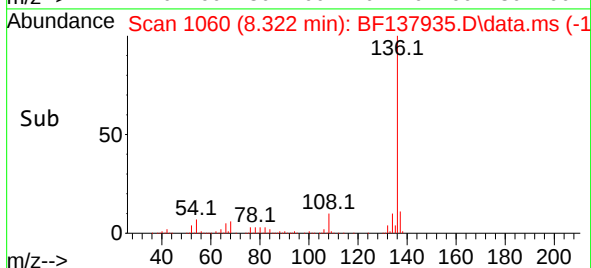
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

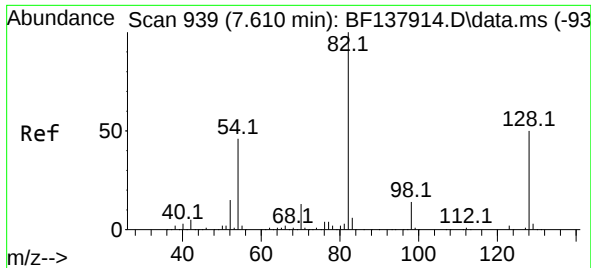


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1060
Delta R.T. -0.006 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48



Tgt Ion:136 Resp: 491444
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.0 5.4 8.2
68 6.1 4.6 7.0





#23
Nitrobenzene-d5
Concen: 57.939 ng
RT: 7.598 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

Instrument :

BNA_F

ClientSampleId :

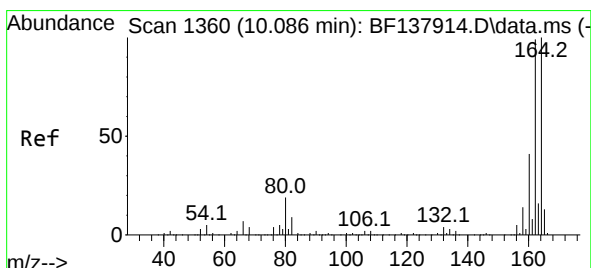
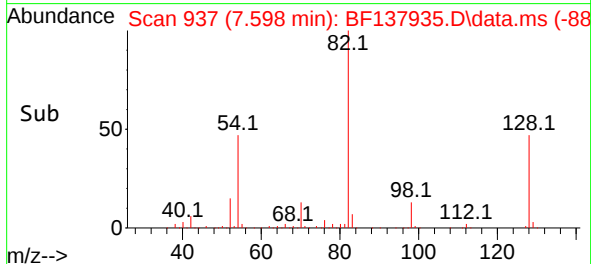
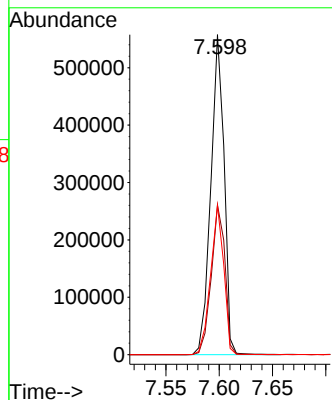
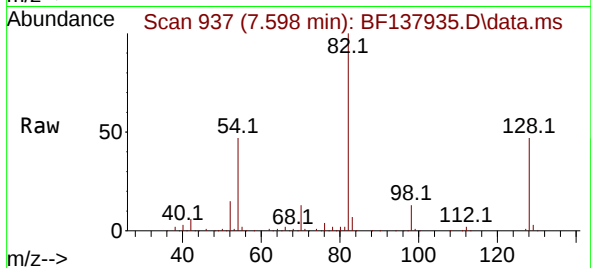
TP-13

Tgt Ion: 82 Resp: 483829
Ion Ratio Lower Upper
82 100
128 46.8 40.3 60.5
54 46.7 36.8 55.2

Manual Integrations

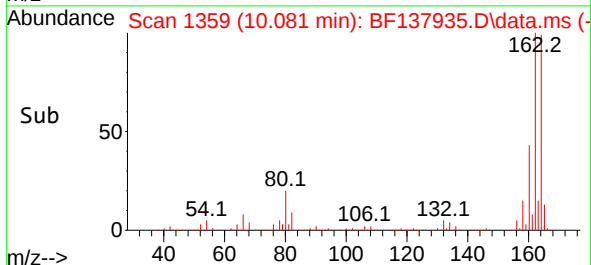
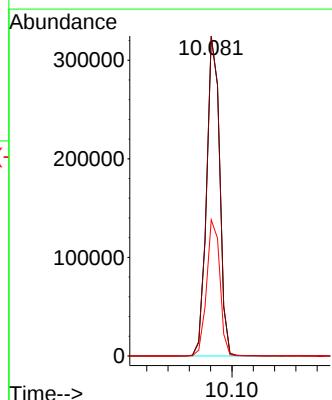
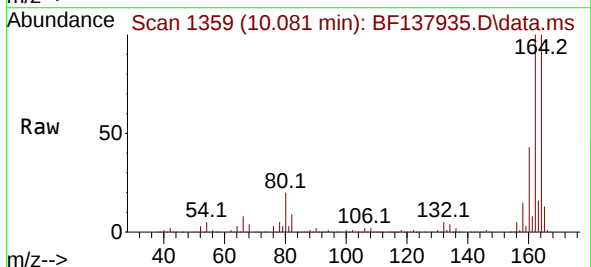
APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

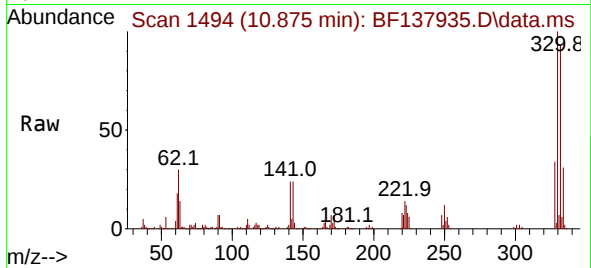
Tgt Ion:164 Resp: 276807
Ion Ratio Lower Upper
164 100
162 100.5 79.4 119.2
160 42.8 33.1 49.7





#42
2,4,6-Tribromophenol
Concen: 87.870 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

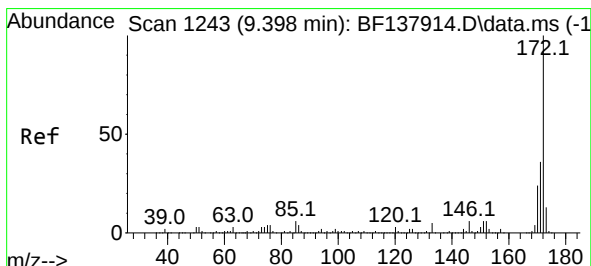
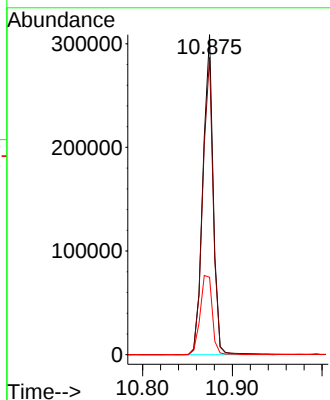
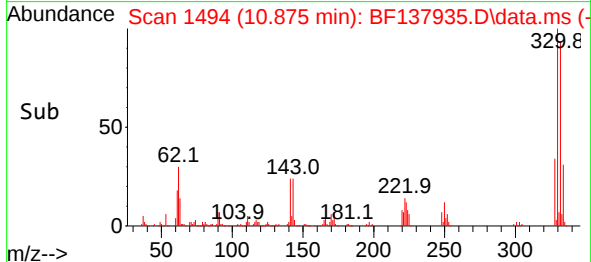
Instrument :
BNA_F
ClientSampleId :
TP-13



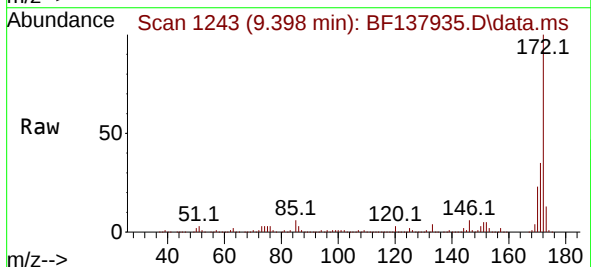
Tgt Ion: 330 Resp: 245250
Ion Ratio Lower Upper
330 100
332 95.0 75.8 113.8
141 29.2 23.8 35.6

Manual Integrations
APPROVED

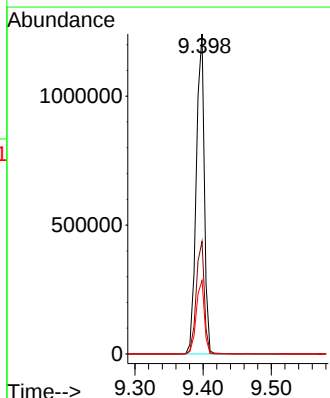
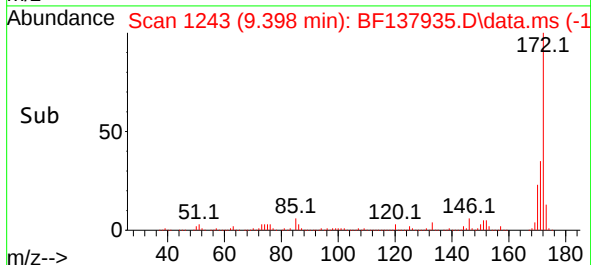
Reviewed By : Jagrut Upadhyay 05/20/2024
Supervised By : mohammad ahmed 05/22/2024

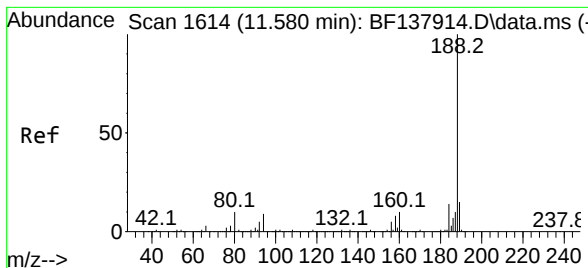


#45
2-Fluorobiphenyl
Concen: 56.952 ng
RT: 9.398 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48



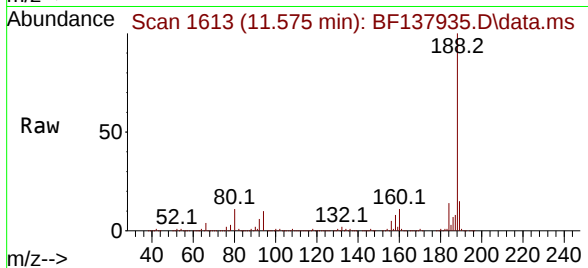
Tgt Ion: 172 Resp: 1023421
Ion Ratio Lower Upper
172 100
171 35.2 28.9 43.3
170 23.0 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

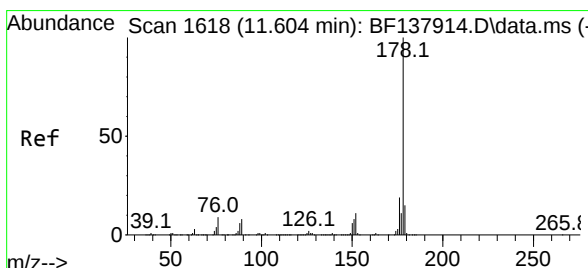
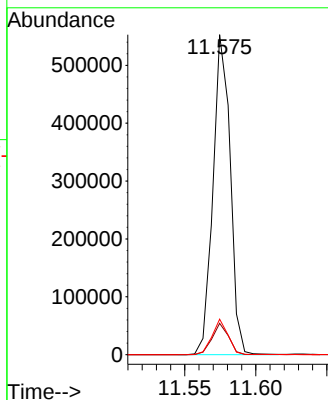
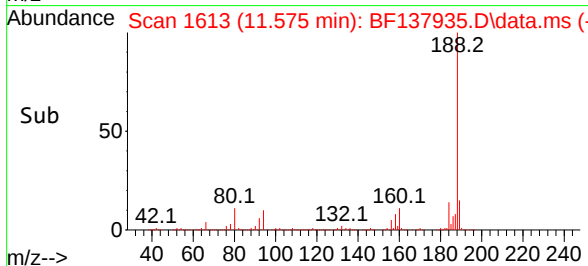
Instrument :
BNA_F
ClientSampleId :
TP-13



Tgt Ion:188 Resp: 46488
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.4
80 11.1 7.7 11.5

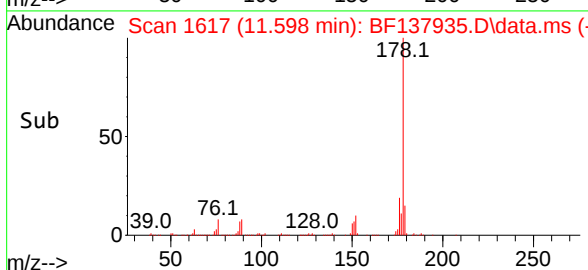
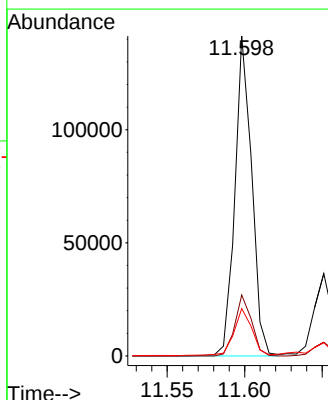
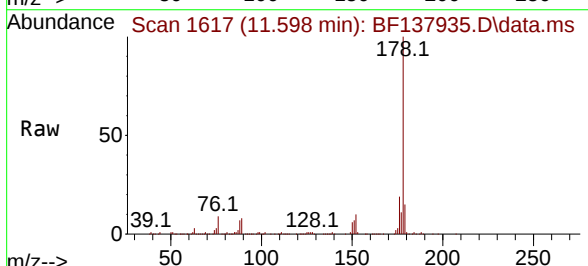
Manual Integrations
APPROVED

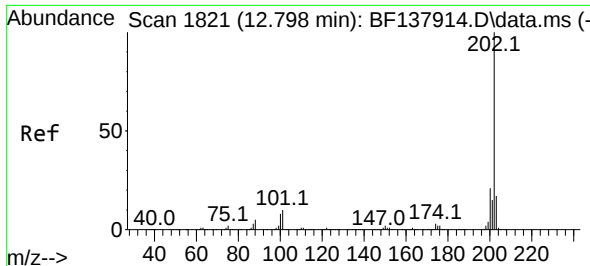
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#71
Phenanthrene
Concen: 4.655 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

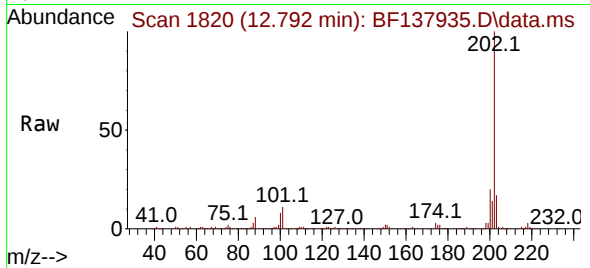
Tgt Ion:178 Resp: 106642
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 14.8 12.2 18.4





#75
Fluoranthene
Concen: 7.246 ng
RT: 12.792 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

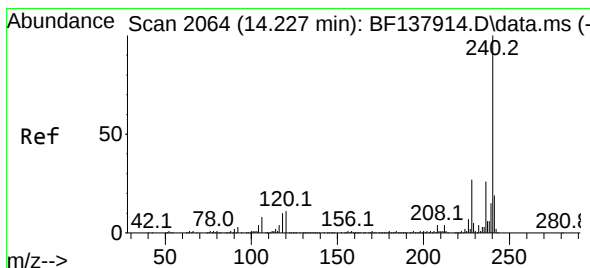
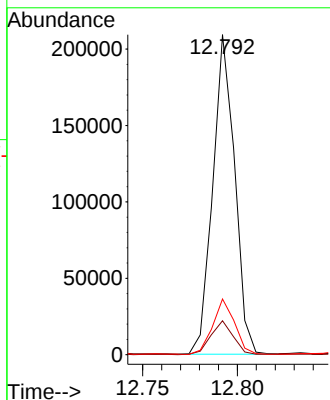
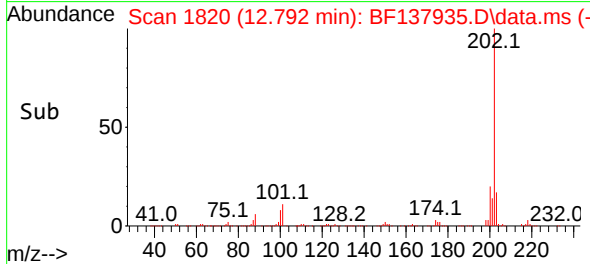
Instrument :
BNA_F
ClientSampleId :
TP-13



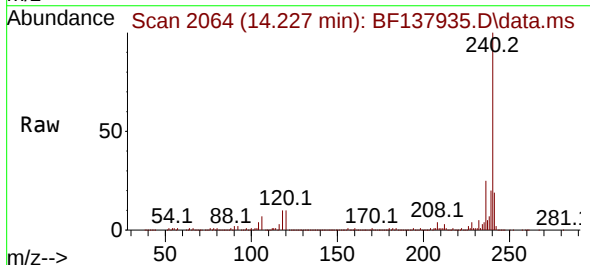
Tgt Ion:202 Resp: 16849
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.5
203 17.4 0.0 37.3

Manual Integrations
APPROVED

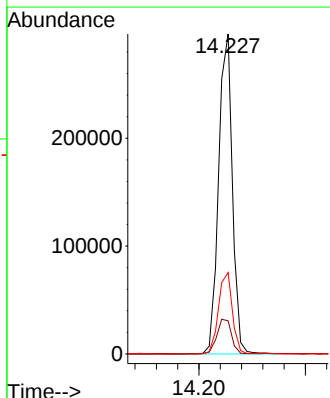
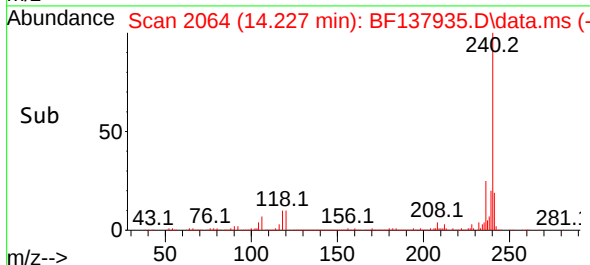
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

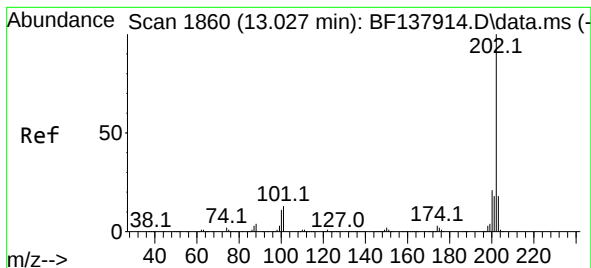


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48



Tgt Ion:240 Resp: 265340
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 25.5 21.0 31.4





#78

Pyrene

Concen: 7.299 ng

RT: 13.027 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

Instrument :

BNA_F

ClientSampleId :

TP-13

Tgt Ion:202 Resp: 16938

Ion Ratio Lower Upper

202 100

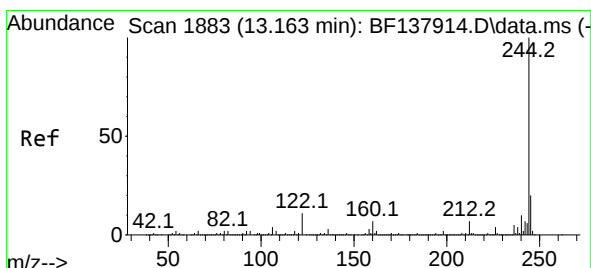
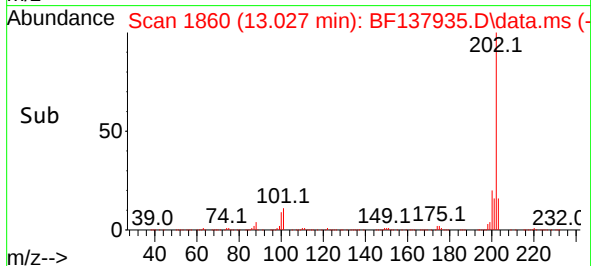
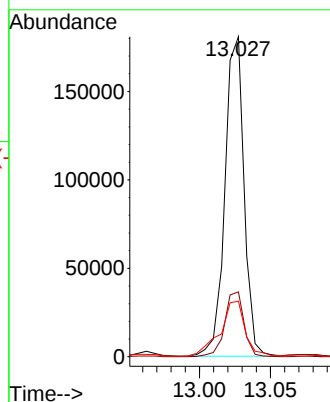
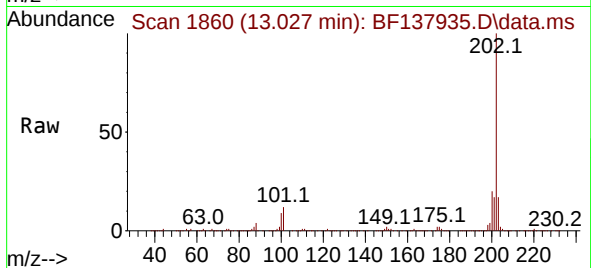
200 20.2 17.0 25.4

203 17.3 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#79

Terphenyl-d14

Concen: 52.798 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.000 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

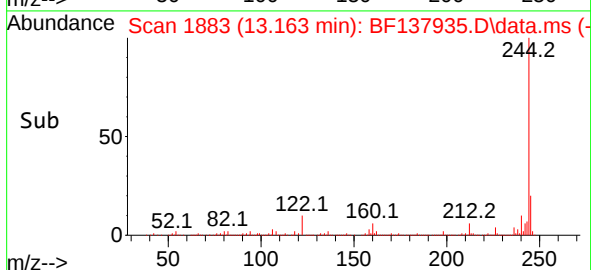
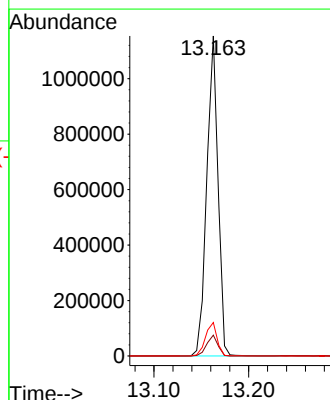
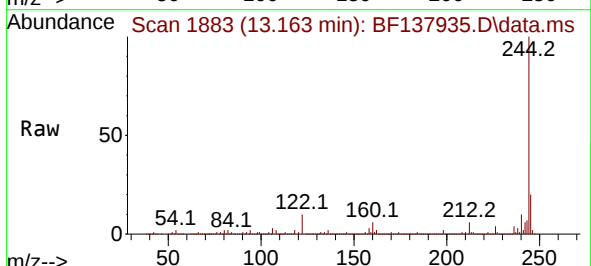
Tgt Ion:244 Resp: 950573

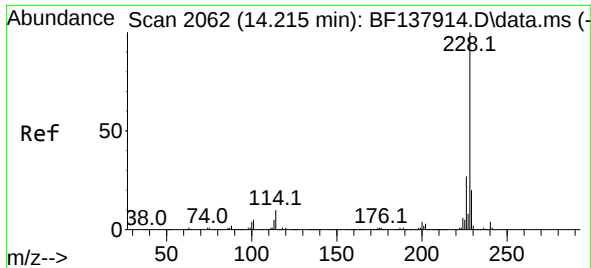
Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

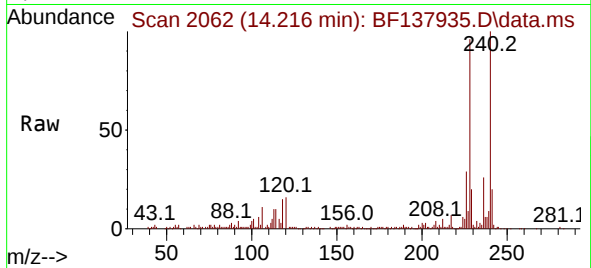
122 10.4 8.8 13.2





#81
Benzo(a)anthracene
Concen: 4.073 ng
RT: 14.216 min Scan# 2062
Delta R.T. 0.000 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

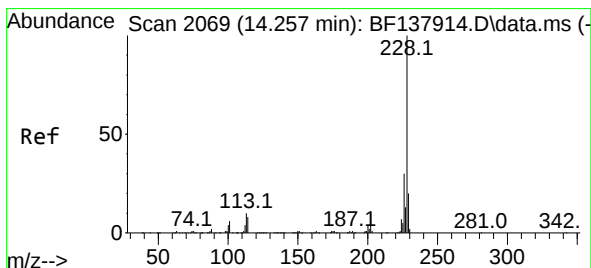
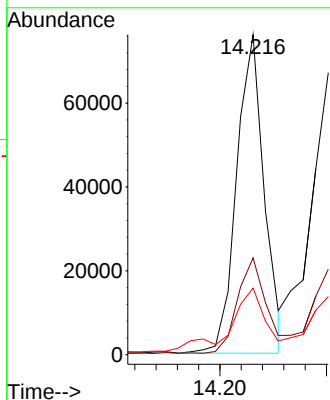
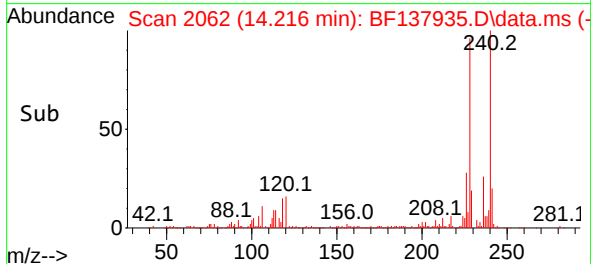
Instrument :
BNA_F
ClientSampleId :
TP-13



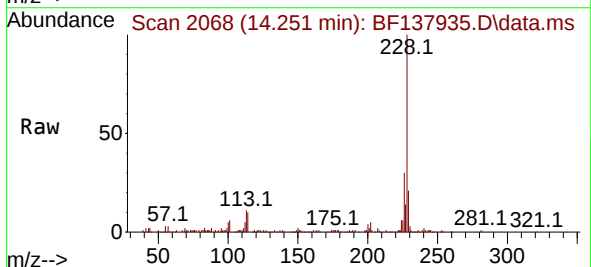
Tgt Ion:228 Resp: 68374
Ion Ratio Lower Upper
228 100
226 30.3 21.3 31.9
229 20.8 15.7 23.5

Manual Integrations
APPROVED

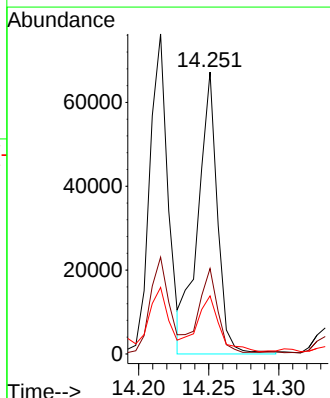
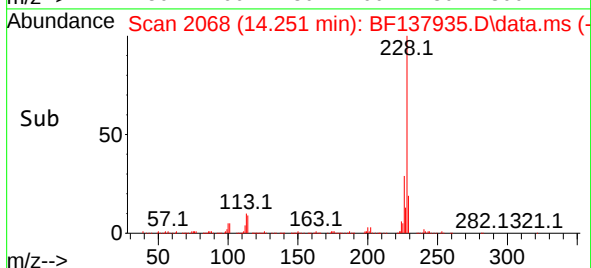
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

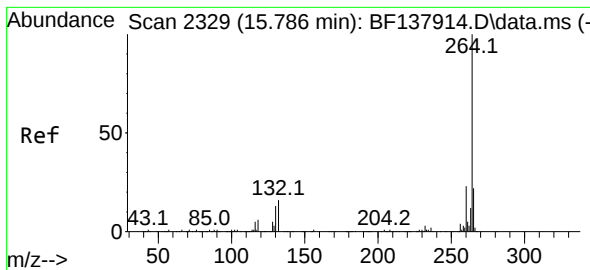


#83
Chrysene
Concen: 4.085 ng m
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48



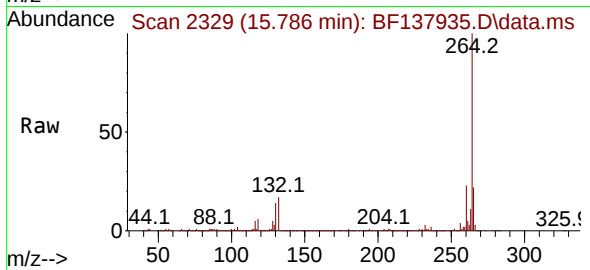
Tgt Ion:228 Resp: 65591
Ion Ratio Lower Upper
228 100
226 30.3 23.8 35.8
229 20.6 15.6 23.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.786 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF137935.D
 Acq: 17 May 2024 16:48

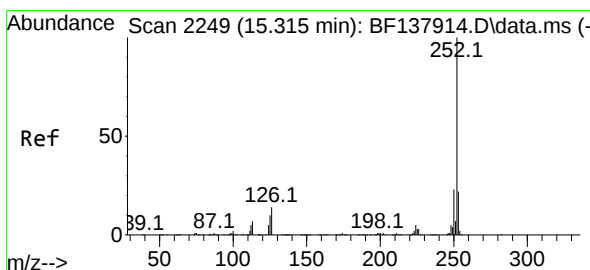
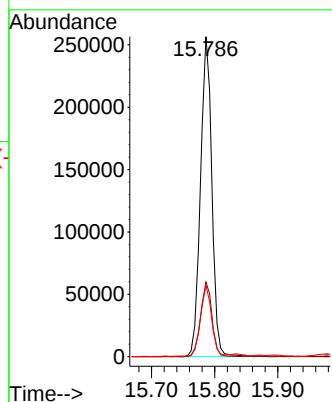
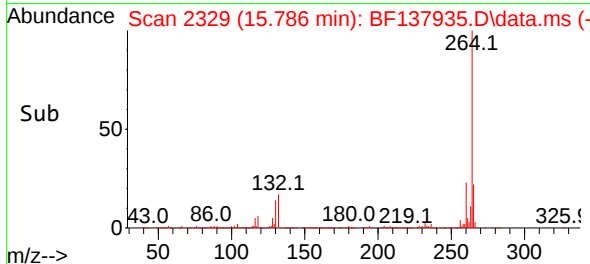
Instrument :
 BNA_F
 ClientSampleId :
 TP-13



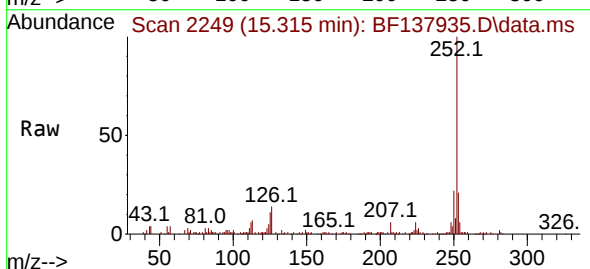
Tgt Ion:264 Resp: 32134
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.3 27.5
 265 22.3 17.6 26.4

Manual Integrations
 APPROVED

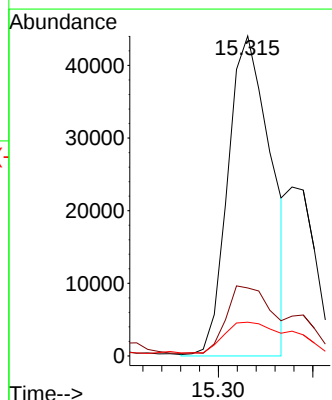
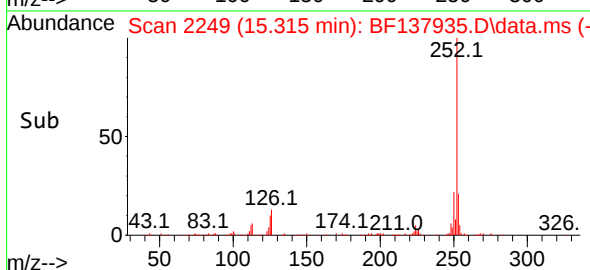
Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

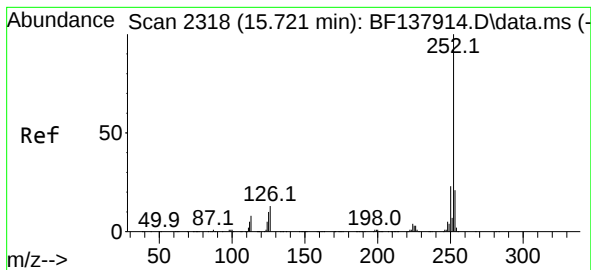


#88
 Benzo(b)fluoranthene
 Concen: 3.754 ng m
 RT: 15.315 min Scan# 2249
 Delta R.T. 0.000 min
 Lab File: BF137935.D
 Acq: 17 May 2024 16:48



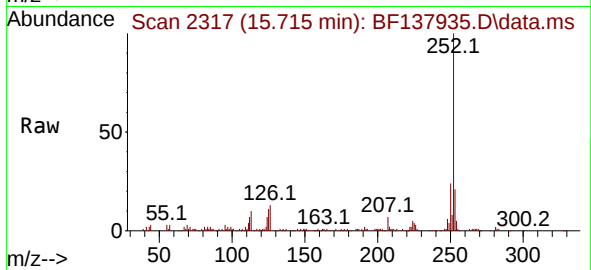
Tgt Ion:252 Resp: 69848
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.6 26.4
 125 10.5 8.2 12.4





#90
Benzo(a)pyrene
Concen: 3.682 ng
RT: 15.715 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

Instrument :
BNA_F
ClientSampleId :
TP-13



Tgt Ion:252 Resp: 58492
Ion Ratio Lower Upper
252 100
253 21.1 17.0 25.6
125 11.4 7.8 11.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

