

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050124\
 Data File : BF137799.D
 Acq On : 01 May 2024 18:54
 Operator : CG\JU
 Sample : P2308-01DL 50X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 346DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/03/2024

Quant Time: May 02 01:31:48 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	182242	20.000	ng	0.00
21) Naphthalene-d8	8.339	136	727035	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	412136	20.000	ng	0.00
64) Phenanthrene-d10	11.598	188	715709	20.000	ng	0.00
76) Chrysene-d12	14.251	240	402260	20.000	ng	# 0.00
86) Perylene-d12	15.821	264	431494	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	24174	2.221	ng	0.00
7) Phenol-d6	6.657	99	33065	2.395	ng	-0.02
23) Nitrobenzene-d5	7.610	82	17829	1.425	ng	-0.01
42) 2,4,6-Tribromophenol	10.892	330	8803	2.092	ng	0.00
45) 2-Fluorobiphenyl	9.410	172	45975	1.810	ng	-0.01
79) Terphenyl-d14	13.180	244	49076	2.045	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.651	166	60831	2.399	ng	99
71) Phenanthrene	11.622	178	1145268	32.830	ng	99
72) Anthracene	11.674	178	215495	6.208	ng	99
75) Fluoranthene	12.821	202	1674101	43.902	ng	99
78) Pyrene	13.051	202	1515566	47.518	ng	100
81) Benzo(a)anthracene	14.239	228	528409	20.538	ng	100
83) Chrysene	14.274	228	536294m	22.262	ng	
87) Indeno(1,2,3-cd)pyrene	17.451	276	254435	10.372	ng	95
88) Benzo(b)fluoranthene	15.345	252	623591m	23.228	ng	
89) Benzo(k)fluoranthene	15.374	252	173189m	6.674	ng	
90) Benzo(a)pyrene	15.751	252	422029	19.269	ng	98
91) Dibenzo(a,h)anthracene	17.462	278	62743m	3.142	ng	
92) Benzo(g,h,i)perylene	17.951	276	235667	11.258	ng	99

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

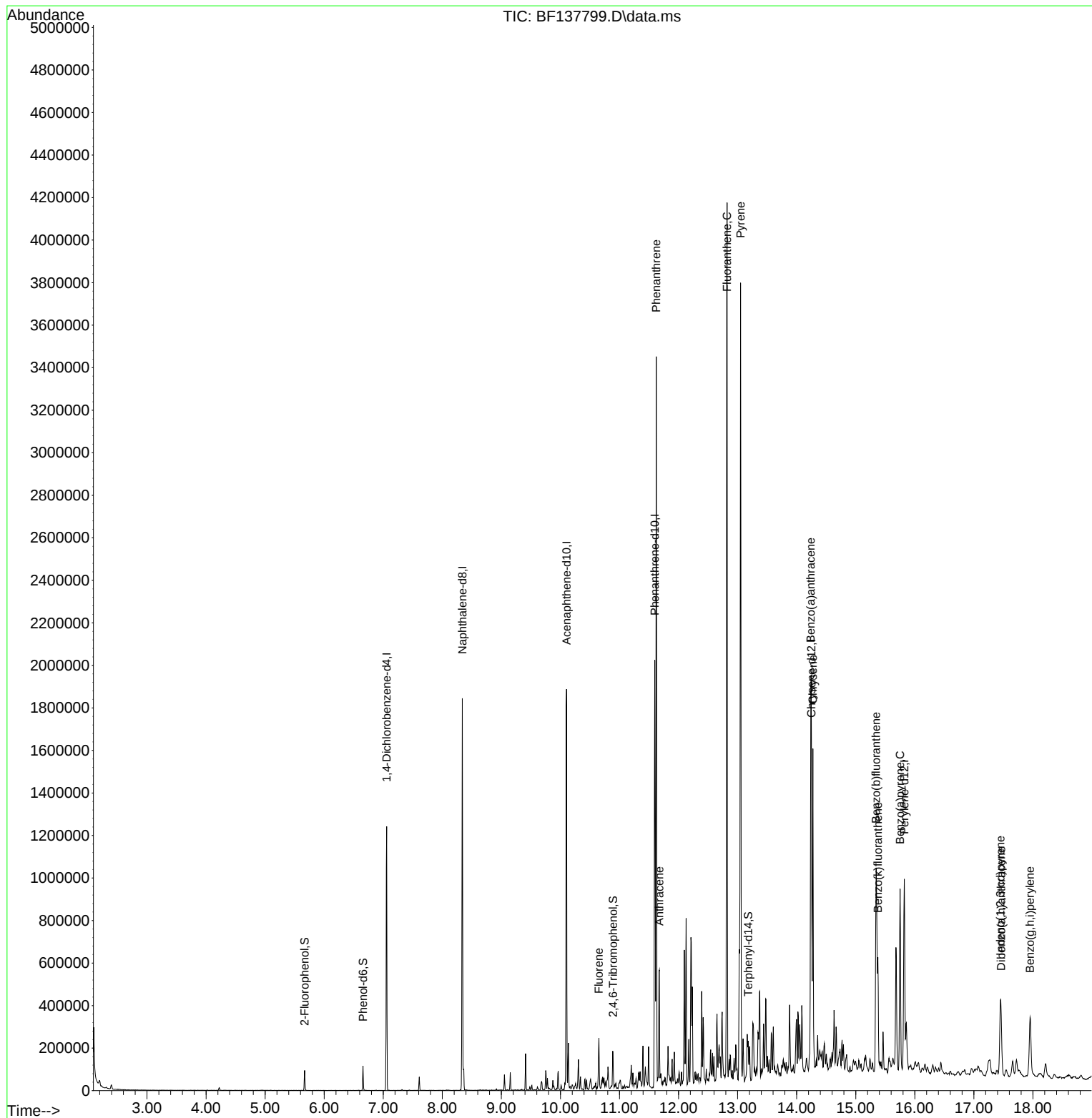
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050124\
Data File : BF137799.D
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Operator : CG\JU
Sample : P2308-01DL 50X
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ALS Vial : 18 Sample Multiplier: 1

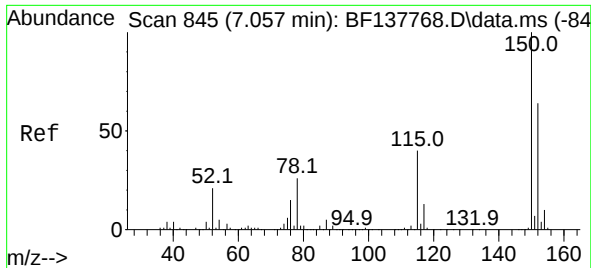
Instrument :
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346DL

Quant Time: May 02 01:31:48 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
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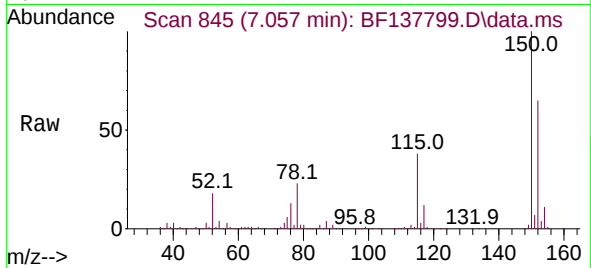
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

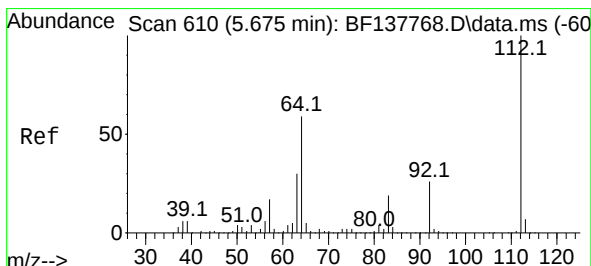
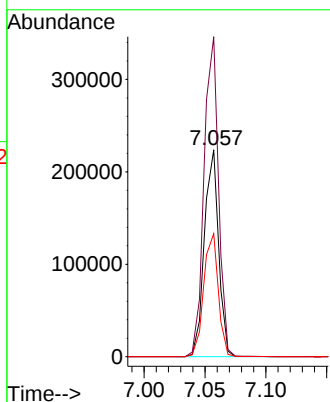
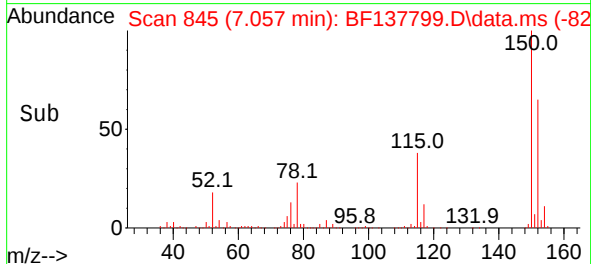
Instrument :
BNA_F
ClientSampleId :
346DL



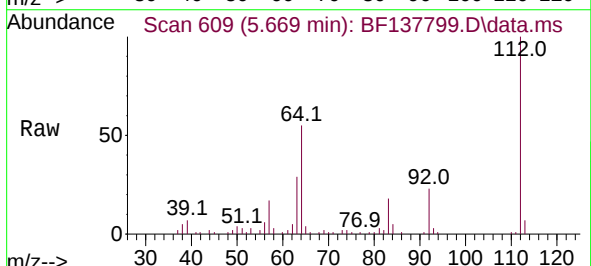
Tgt Ion:152 Resp: 182242
Ion Ratio Lower Upper
152 100
150 154.7 124.1 186.1
115 59.5 49.1 73.7

Manual Integrations
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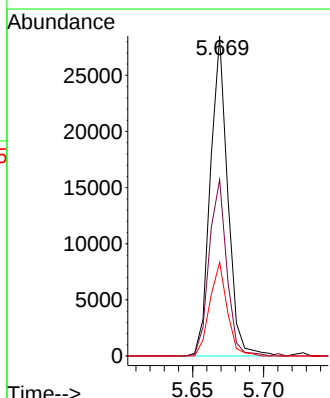
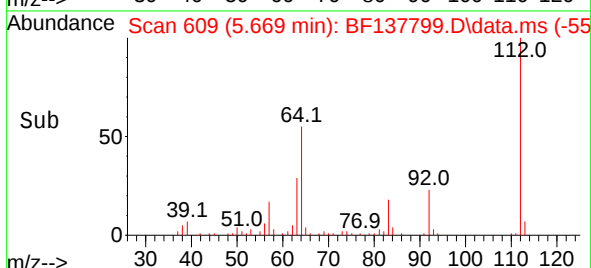
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/03/2024

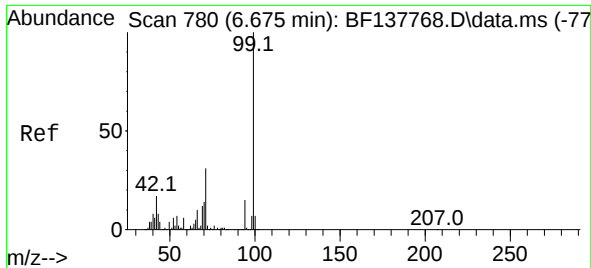


#5
2-Fluorophenol
Concen: 2.221 ng
RT: 5.669 min Scan# 609
Delta R.T. -0.006 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54



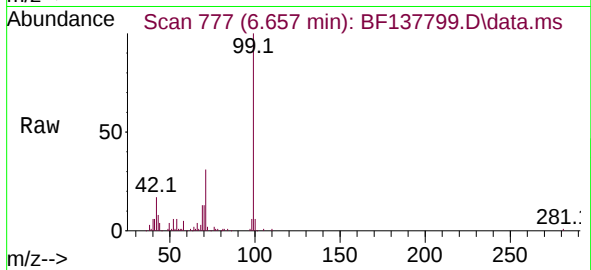
Tgt Ion:112 Resp: 24174
Ion Ratio Lower Upper
112 100
64 55.0 47.3 70.9
63 29.3 23.7 35.5





#7
Phenol-d6
Concen: 2.395 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

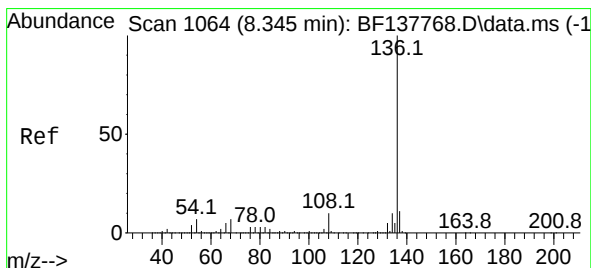
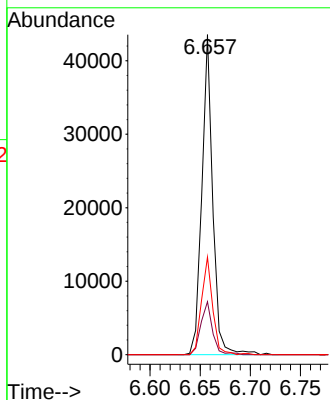
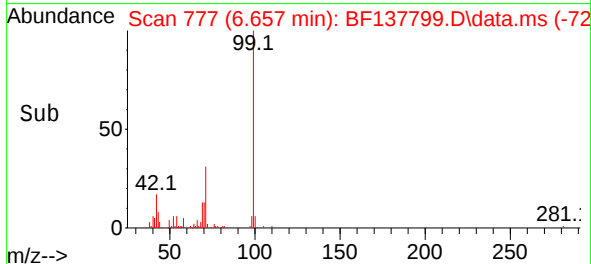
Instrument :
BNA_F
ClientSampleId :
346DL



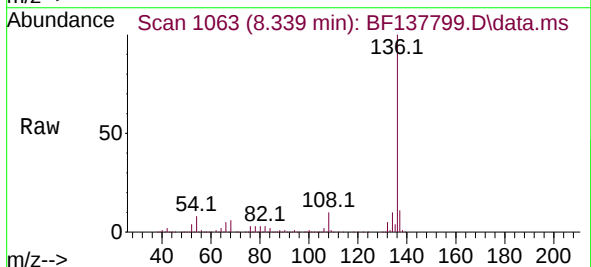
Tgt Ion: 99 Resp: 3306
Ion Ratio Lower Upper
99 100
42 16.6 13.2 19.8
71 30.5 25.0 37.4

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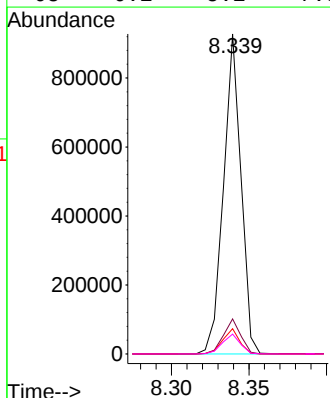
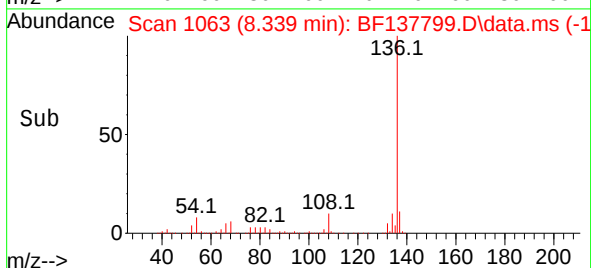
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/03/2024

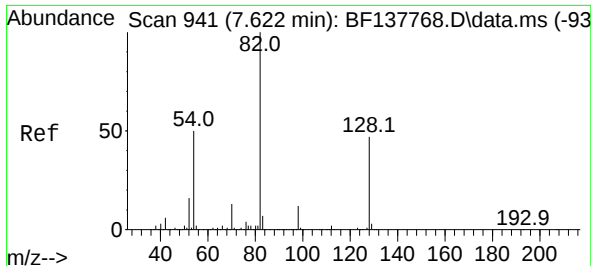


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.339 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54



Tgt Ion:136 Resp: 727035
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.9 5.8 8.8
68 6.2 5.2 7.8





#23

Nitrobenzene-d5

Concen: 1.425 ng

RT: 7.610 min Scan# 941

Delta R.T. -0.012 min

Lab File: BF137799.D

Acq: 01 May 2024 18:54

Instrument :

BNA_F

ClientSampleId :

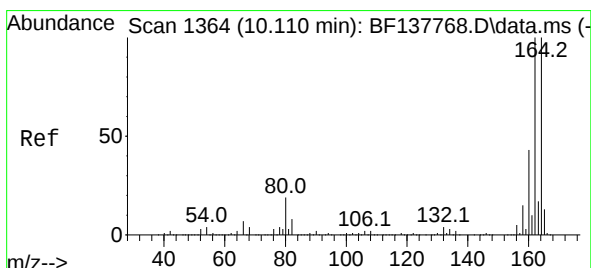
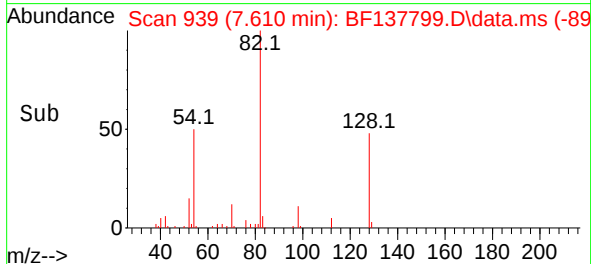
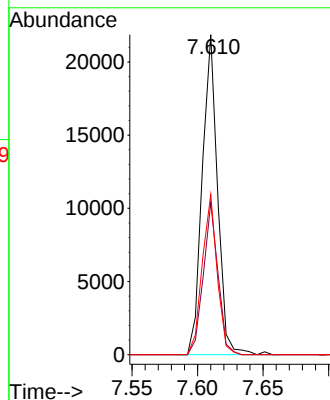
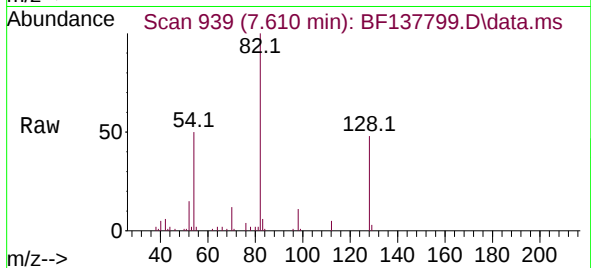
346DL

Tgt Ion: 82	Resp: 17829
Ion Ratio	Lower Upper
82	100
128	47.6 37.5 56.3
54	50.1 39.8 59.6

Manual Integrations

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Supervised By :mohammad ahmed 05/03/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

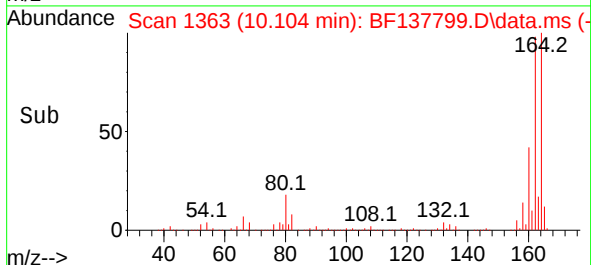
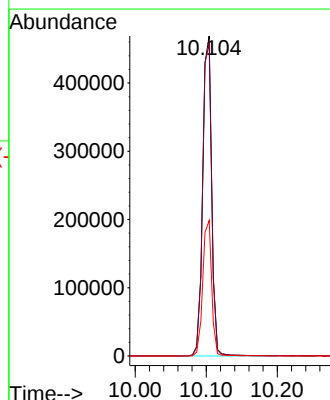
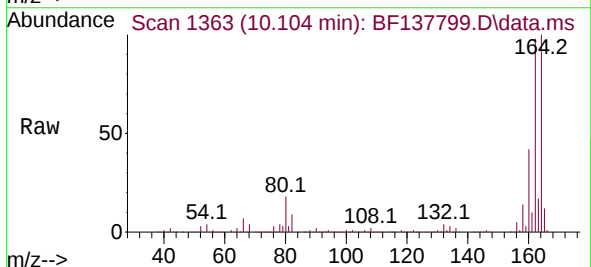
RT: 10.104 min Scan# 1363

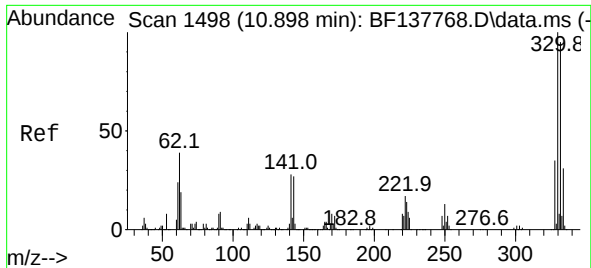
Delta R.T. -0.006 min

Lab File: BF137799.D

Acq: 01 May 2024 18:54

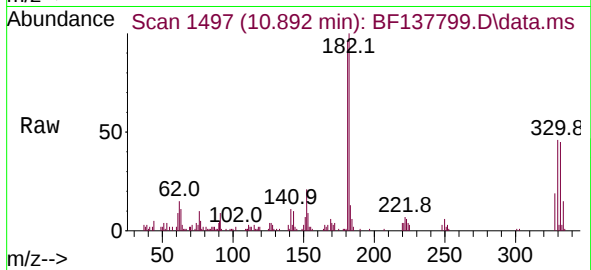
Tgt Ion:164	Resp: 412136
Ion Ratio	Lower Upper
164	100
162	97.7 79.8 119.6
160	42.4 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 2.092 ng
RT: 10.892 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

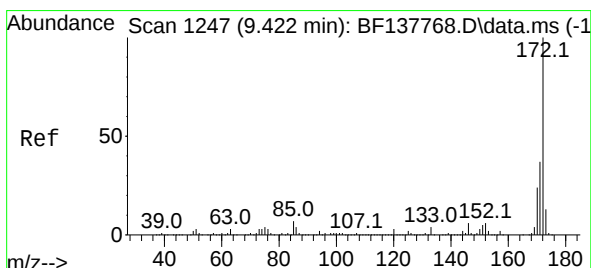
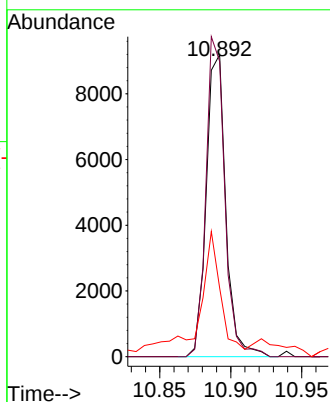
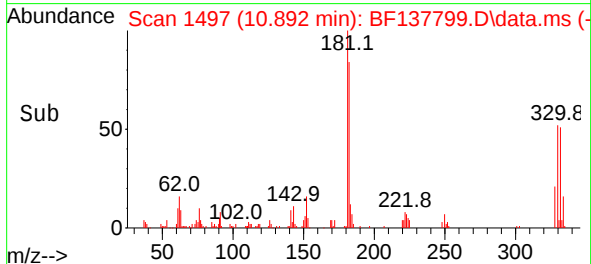
Instrument :
BNA_F
ClientSampleId :
346DL



Tgt Ion:330 Resp: 8800
Ion Ratio Lower Upper
330 100
332 102.0 77.3 115.9
141 41.4 23.8 35.6

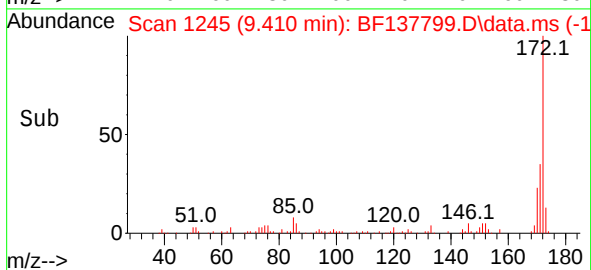
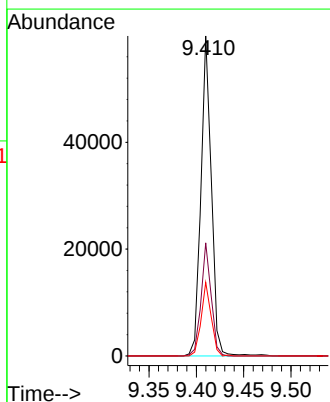
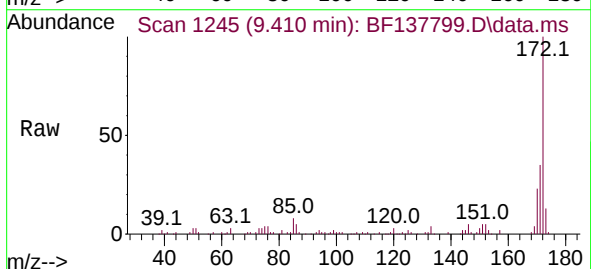
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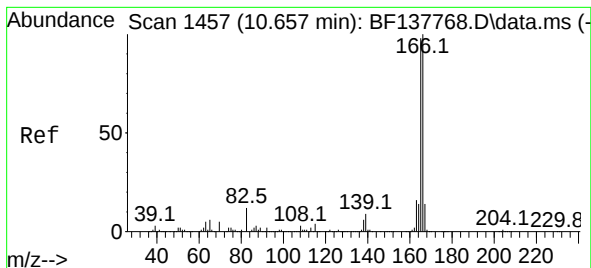
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/03/2024



#45
2-Fluorobiphenyl
Concen: 1.810 ng
RT: 9.410 min Scan# 1245
Delta R.T. -0.012 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

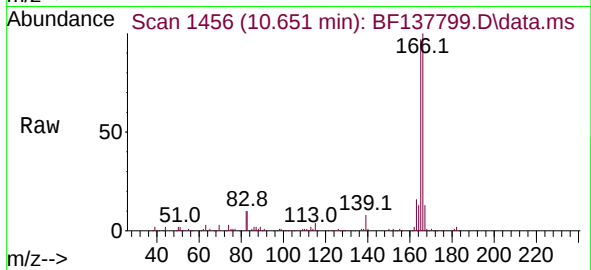
Tgt Ion:172 Resp: 45975
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 23.0 19.4 29.2





#58
Fluorene
Concen: 2.399 ng
RT: 10.651 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

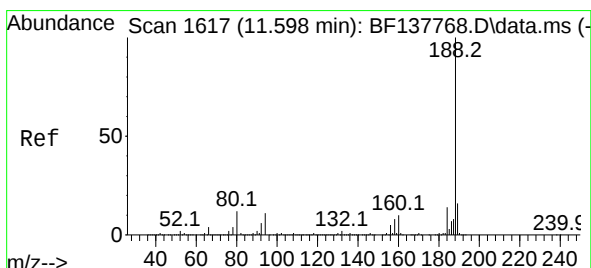
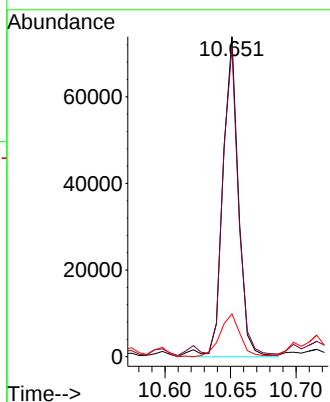
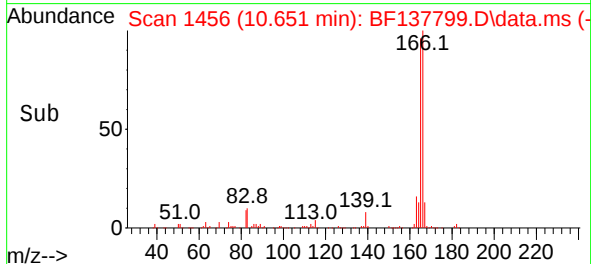
Instrument :
BNA_F
ClientSampleId :
346DL



Tgt Ion:166 Resp: 6083
Ion Ratio Lower Upper
166 100
165 96.7 78.2 117.2
167 13.3 10.9 16.3

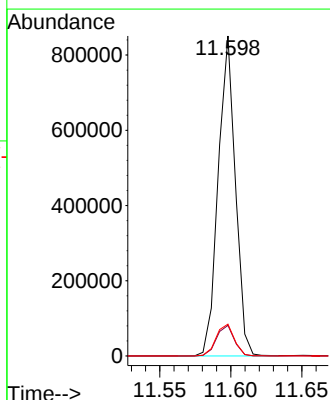
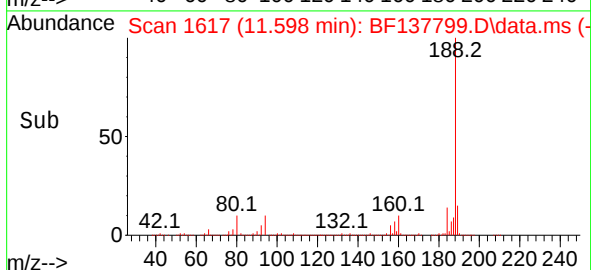
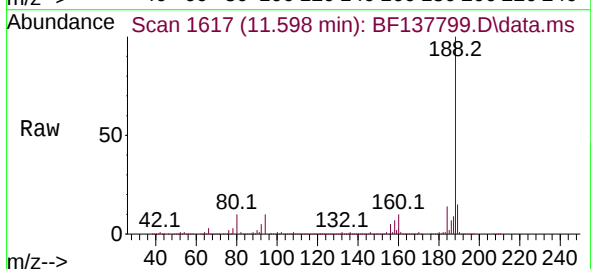
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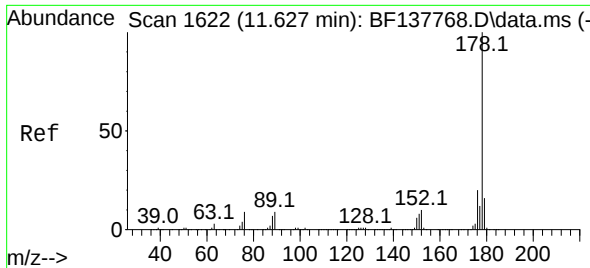
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/03/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

Tgt Ion:188 Resp: 715709
Ion Ratio Lower Upper
188 100
94 9.6 8.8 13.2
80 9.9 9.6 14.4





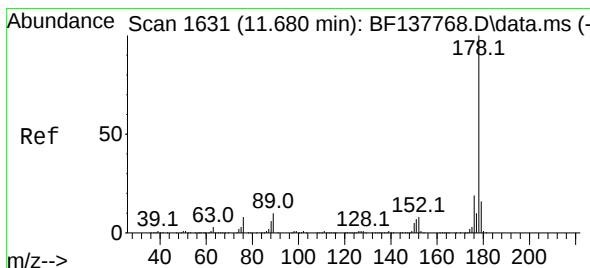
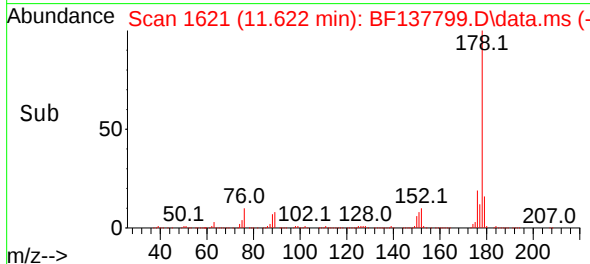
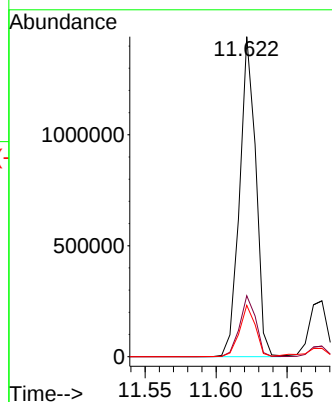
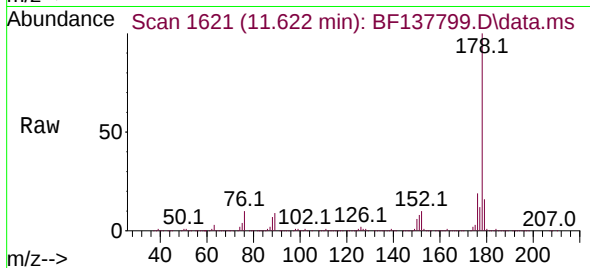
#71
Phenanthrene
Concen: 32.830 ng
RT: 11.622 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

Instrument :
BNA_F
ClientSampleId :
346DL

Tgt Ion:178 Resp: 1145268
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 16.0 12.5 18.7

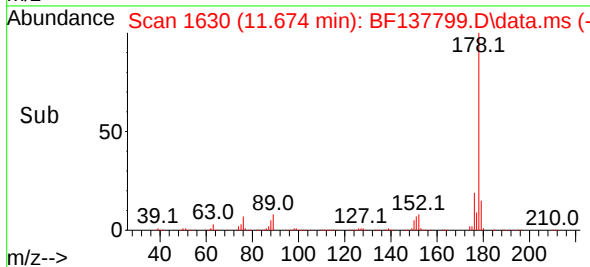
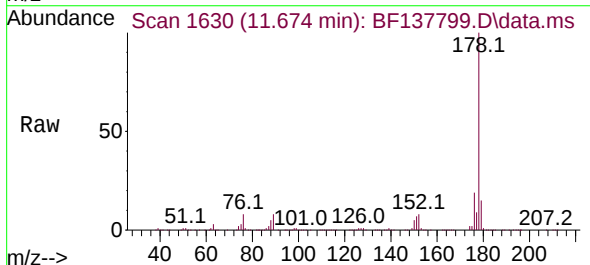
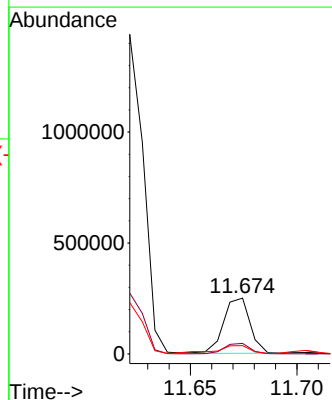
Manual Integrations
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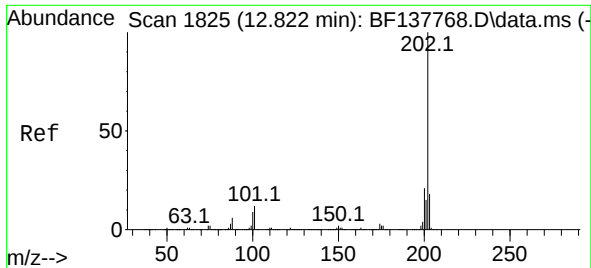
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/03/2024



#72
Anthracene
Concen: 6.208 ng
RT: 11.674 min Scan# 1630
Delta R.T. -0.006 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

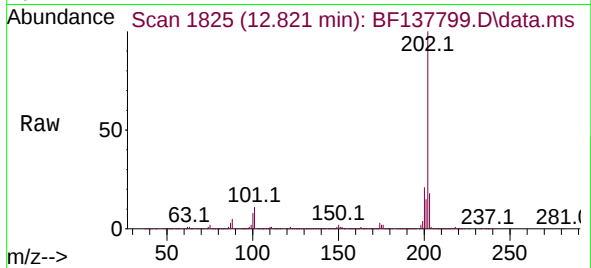
Tgt Ion:178 Resp: 215495
Ion Ratio Lower Upper
178 100
176 18.8 15.2 22.8
179 15.0 12.6 18.8





#75
Fluoranthene
Concen: 43.902 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

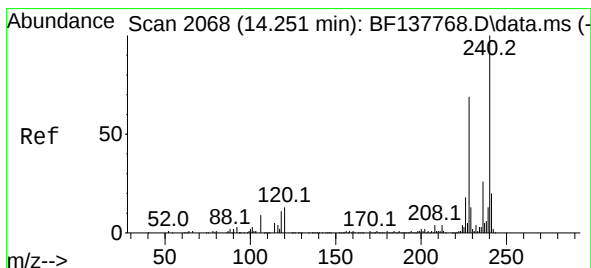
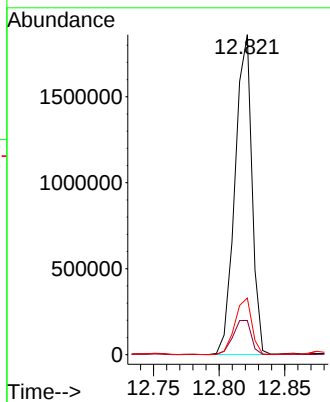
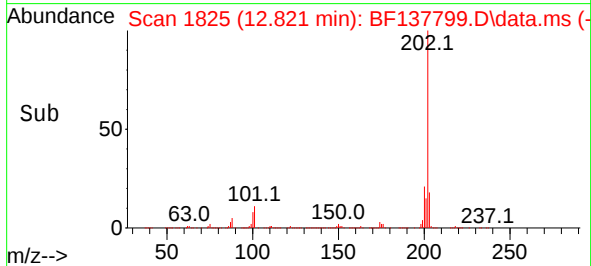
Instrument :
BNA_F
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346DL



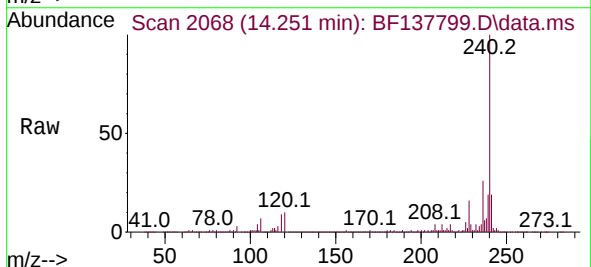
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Ion Ratio Lower Upper
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101 10.7 0.0 31.8
203 17.7 0.0 37.8

Manual Integrations
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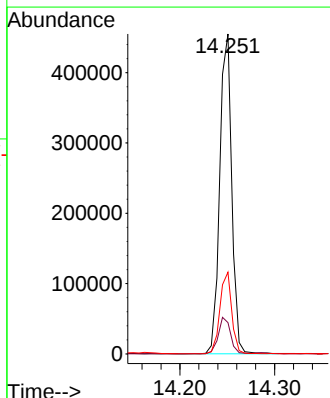
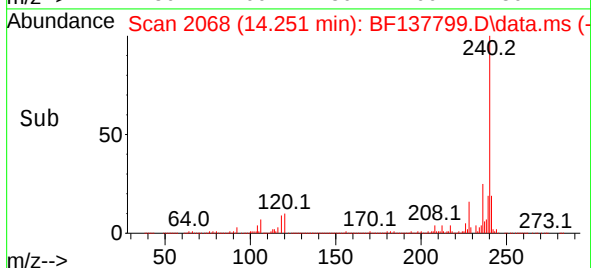
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/03/2024

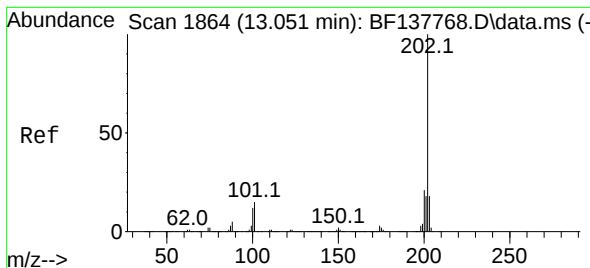


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.000 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54



Tgt Ion:240 Resp: 402260
Ion Ratio Lower Upper
240 100
120 9.8 10.4 15.6#
236 25.6 20.4 30.6





#78

Pyrene

Concen: 47.518 ng

RT: 13.051 min Scan# 1864

Delta R.T. -0.000 min

Lab File: BF137799.D

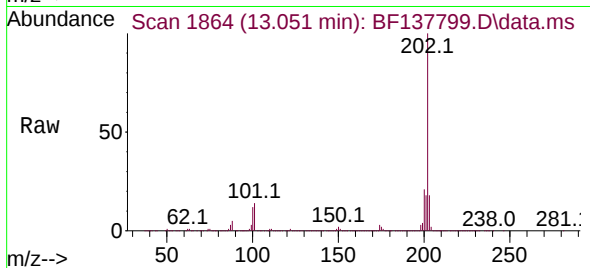
Acq: 01 May 2024 18:54

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:202 Resp: 151556

Ion Ratio Lower Upper

202 100

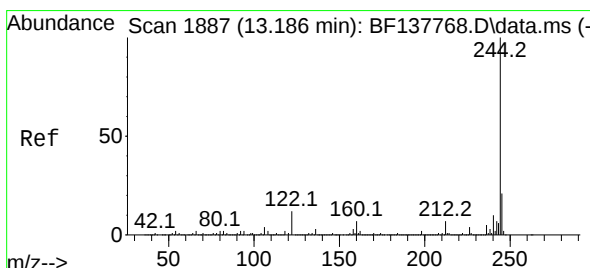
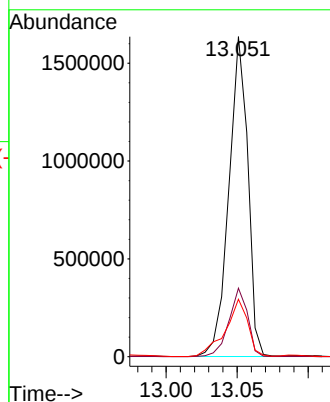
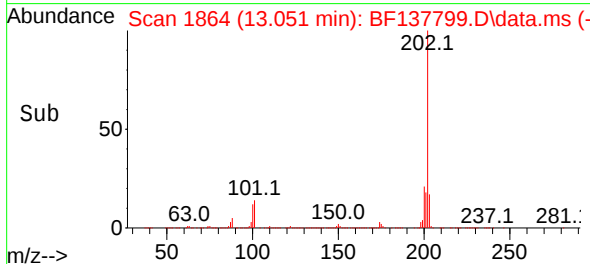
200 21.4 17.2 25.8

203 17.9 14.4 21.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/03/2024



#79

Terphenyl-d14

Concen: 2.045 ng

RT: 13.180 min Scan# 1886

Delta R.T. -0.006 min

Lab File: BF137799.D

Acq: 01 May 2024 18:54

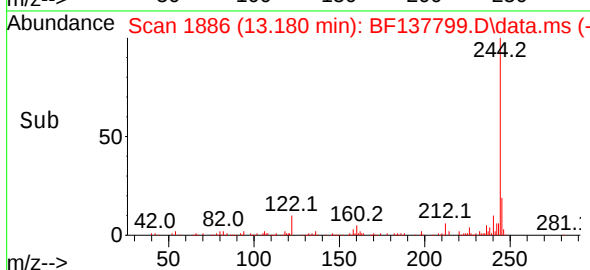
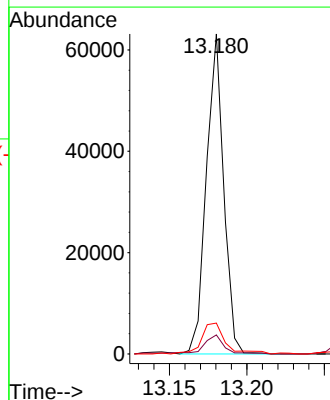
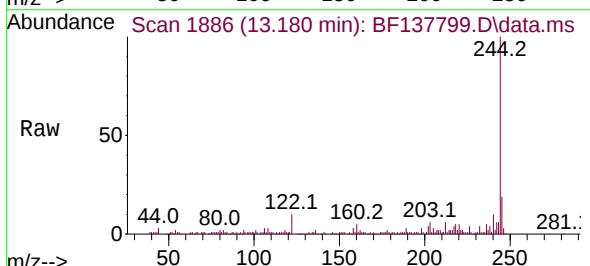
Tgt Ion:244 Resp: 49076

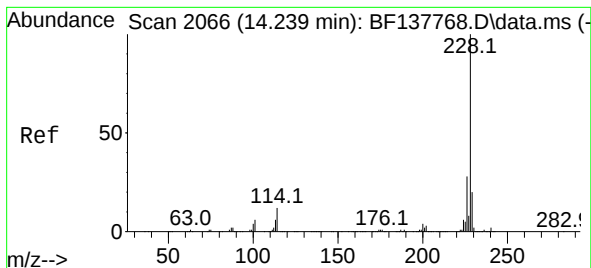
Ion Ratio Lower Upper

244 100

212 6.0 5.5 8.3

122 9.7 9.4 14.2





#81

Benzo(a)anthracene

Concen: 20.538 ng

RT: 14.239 min Scan# 2066

Delta R.T. -0.000 min

Lab File: BF137799.D

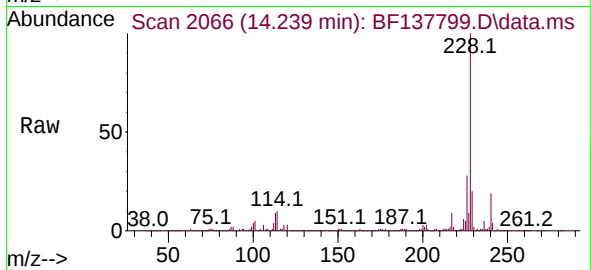
Acq: 01 May 2024 18:54

Instrument :

BNA_F

ClientSampleId :

346DL



Tgt Ion:228 Resp: 528409

Ion Ratio Lower Upper

228 100

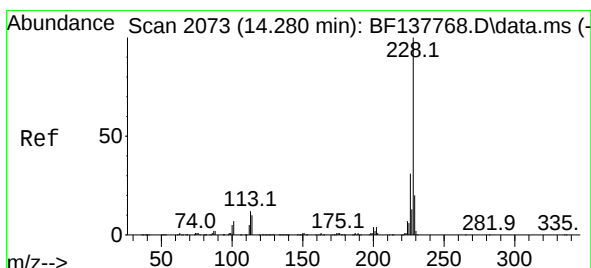
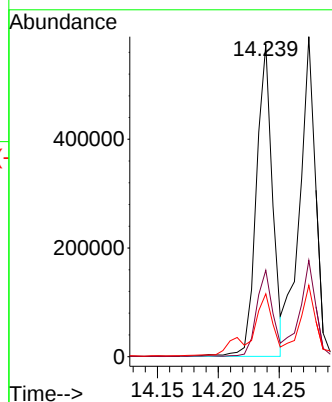
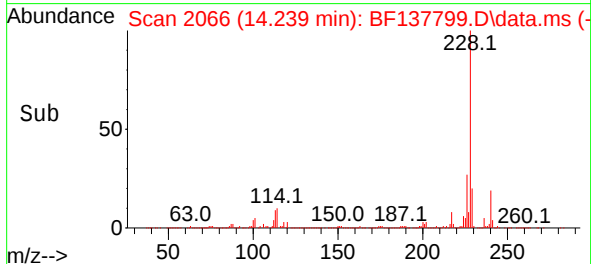
226 27.6 22.2 33.2

229 20.1 16.3 24.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/03/2024



#83

Chrysene

Concen: 22.262 ng m

RT: 14.274 min Scan# 2072

Delta R.T. -0.006 min

Lab File: BF137799.D

Acq: 01 May 2024 18:54

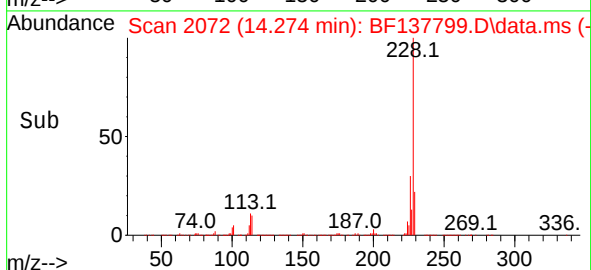
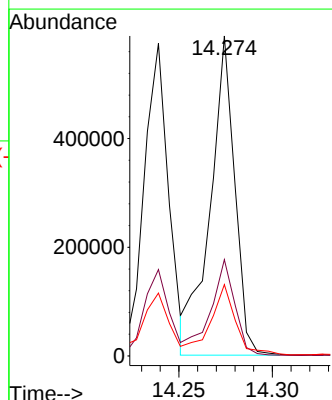
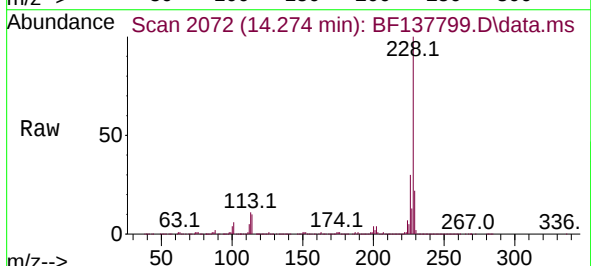
Tgt Ion:228 Resp: 536294

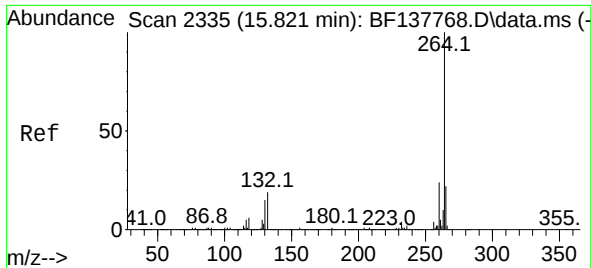
Ion Ratio Lower Upper

228 100

226 30.1 24.8 37.2

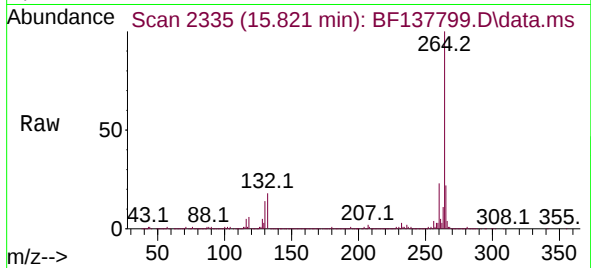
229 22.3 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.821 min Scan# 2335
Delta R.T. -0.000 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

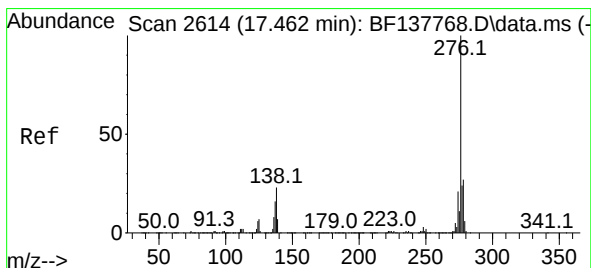
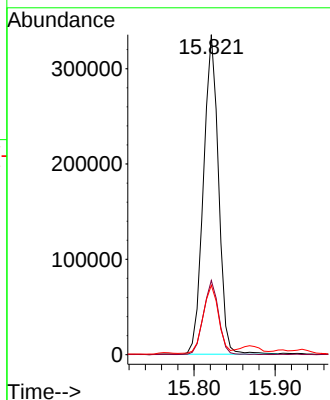
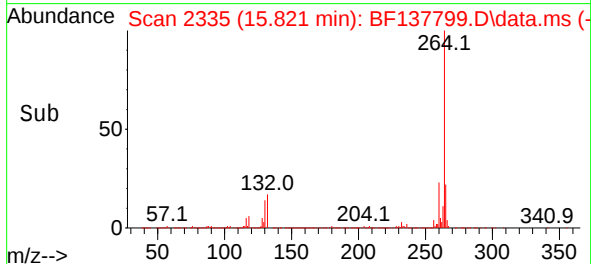
Instrument :
BNA_F
Client Sample Id :
346DL



Tgt Ion: 264 Resp: 431494
Ion Ratio Lower Upper
264 100
260 23.2 18.9 28.3
265 21.7 17.4 26.0

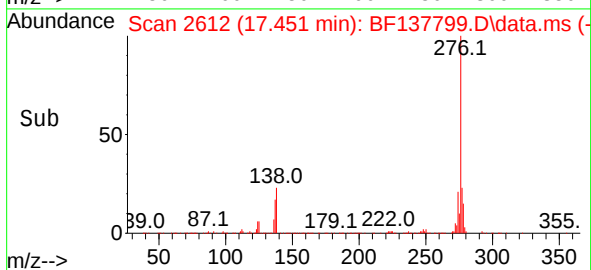
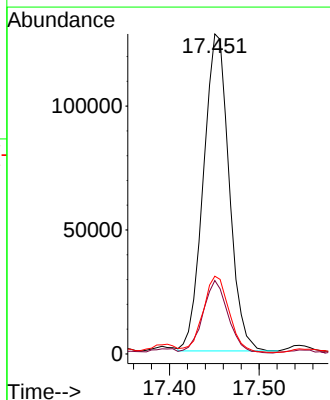
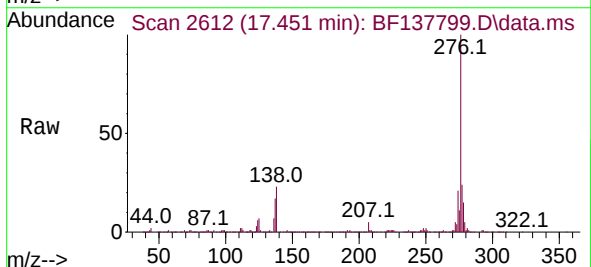
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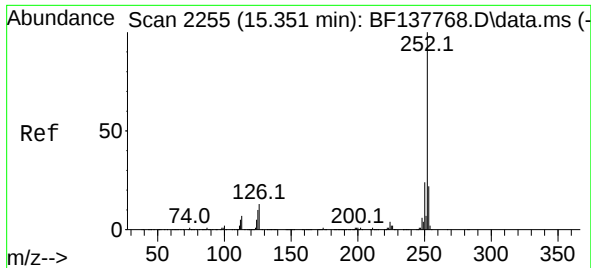
Reviewed By : Jagrut Upadhyay 05/02/2024
Supervised By : mohammad ahmed 05/03/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.372 ng
RT: 17.451 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

Tgt Ion: 276 Resp: 254435
Ion Ratio Lower Upper
276 100
138 22.4 21.4 32.0
277 24.4 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 23.228 ng m
RT: 15.345 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

Instrument :

BNA_F

ClientSampleId :

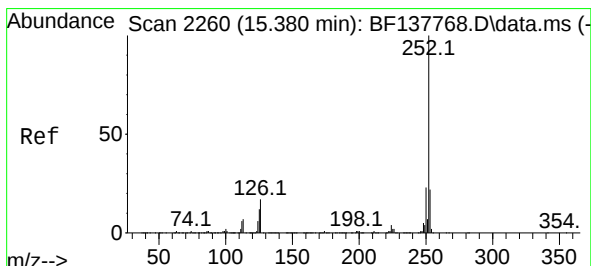
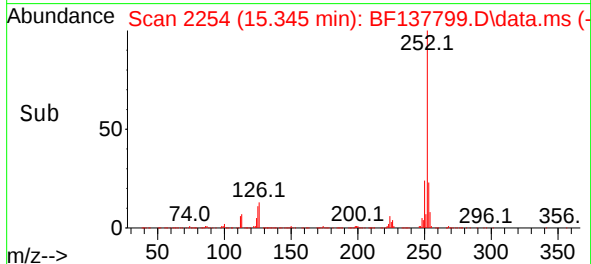
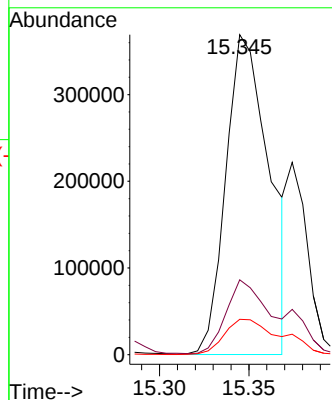
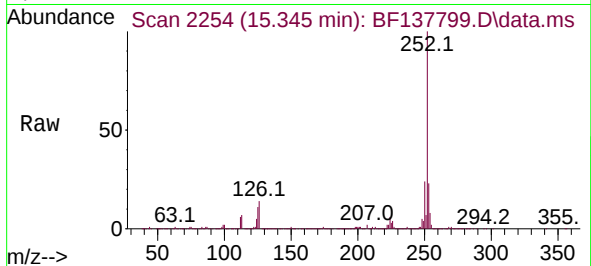
346DL

Tgt Ion:252 Resp: 62359
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.1 7.9 11.9

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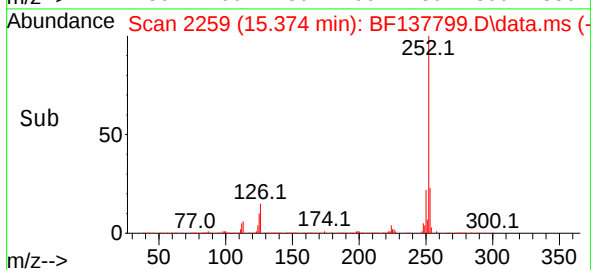
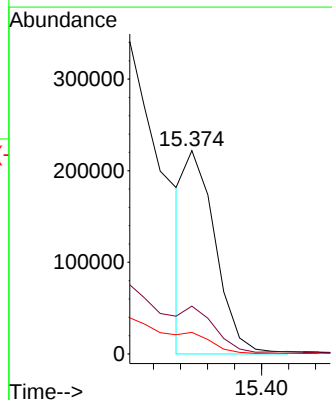
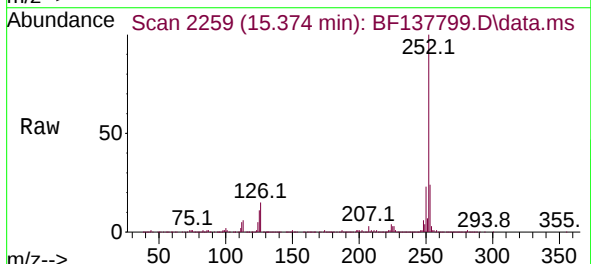
APPROVED

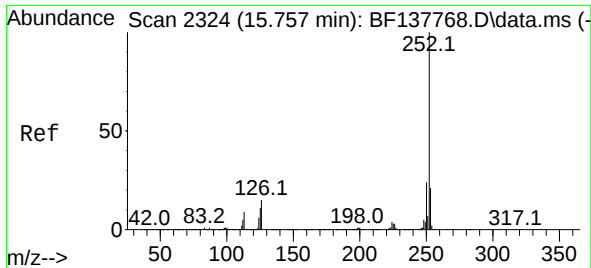
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/03/2024



#89
Benzo(k)fluoranthene
Concen: 6.674 ng m
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

Tgt Ion:252 Resp: 173189
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.6 9.0 13.4





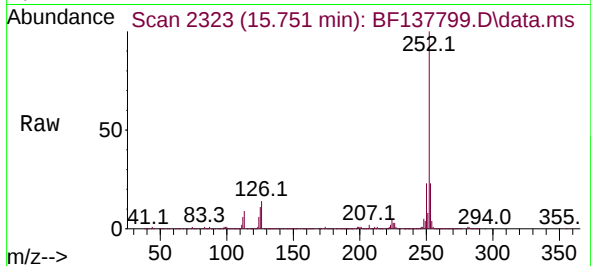
#90
Benzo(a)pyrene
Concen: 19.269 ng
RT: 15.751 min Scan# 2324
Delta R.T. -0.006 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54

Instrument :

BNA_F

ClientSampleId :

346DL

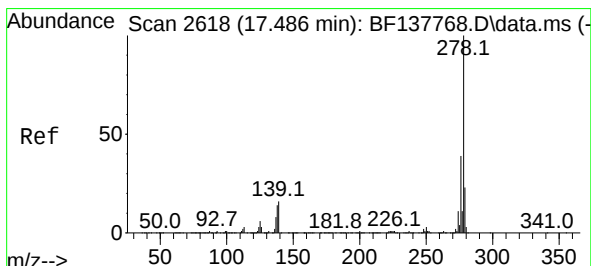
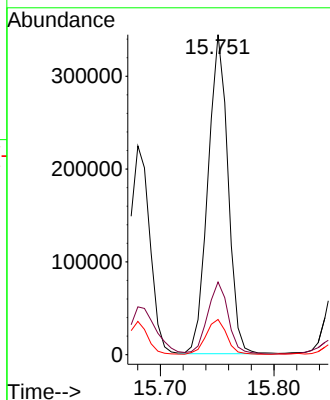
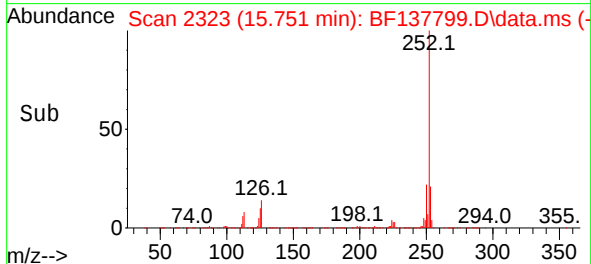


Tgt Ion:252 Resp: 422029
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 11.0 9.0 13.6

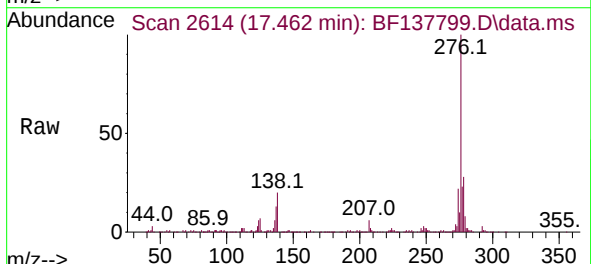
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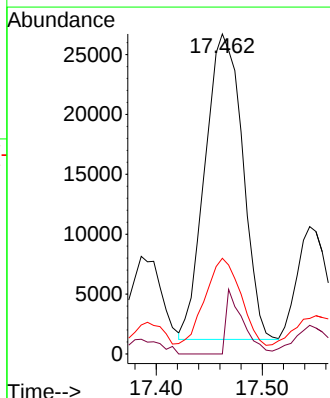
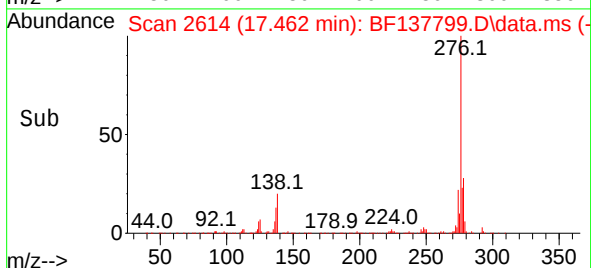
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/03/2024

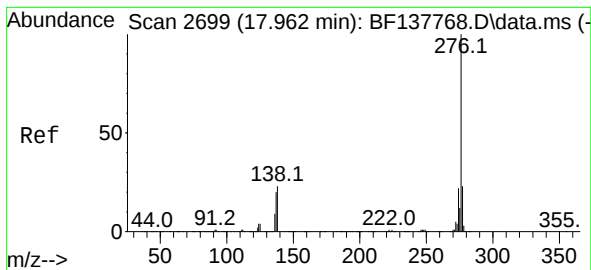


#91
Dibenzo(a,h)anthracene
Concen: 3.142 ng m
RT: 17.462 min Scan# 2614
Delta R.T. -0.024 min
Lab File: BF137799.D
Acq: 01 May 2024 18:54



Tgt Ion:278 Resp: 62743
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.6#
279 29.9 18.7 28.1#





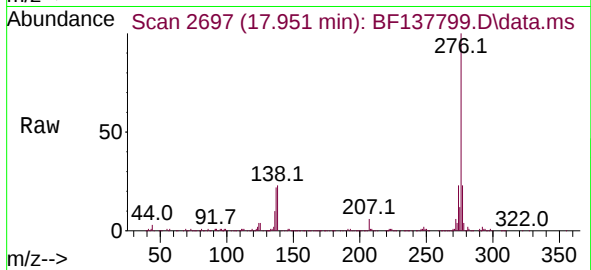
#92
 Benzo(g,h,i)perylene
 Concen: 11.258 ng
 RT: 17.951 min Scan# 207
 Delta R.T. -0.012 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

Instrument :

BNA_F

ClientSampleId :

346DL



Tgt Ion:276 Resp: 23566
 Ion Ratio Lower Upper
 276 100
 277 23.3 18.0 27.0
 138 22.6 18.1 27.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/03/2024

