

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
 Data File : BF137724.D
 Acq On : 24 Apr 2024 18:18
 Operator : CG\JU
 Sample : P2245-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 YARD-3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 25 04:17:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 03:57:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.063	152	250068	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	978984	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	533393	20.000	ng	-0.01
64) Phenanthrene-d10	11.598	188	891120	20.000	ng	0.00
76) Chrysene-d12	14.251	240	455618	20.000	ng	# 0.00
86) Perylene-d12	15.821	264	489434	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1361655	82.714	ng	0.00
7) Phenol-d6	6.669	99	1733573	82.925	ng	0.00
23) Nitrobenzene-d5	7.622	82	1025624	55.612	ng	0.00
42) 2,4,6-Tribromophenol	10.898	330	456184	84.756	ng	0.00
45) 2-Fluorobiphenyl	9.416	172	1997656	55.961	ng	-0.01
79) Terphenyl-d14	13.186	244	1877618	66.331	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.627	178	545337	11.561	ng	97
72) Anthracene	11.674	178	202598	4.194	ng	97
73) Carbazole	11.827	167	115015	2.627	ng	98
75) Fluoranthene	12.815	202	463856	9.355	ng	99
78) Pyrene	13.051	202	367637	9.831	ng	98
81) Benzo(a)anthracene	14.239	228	108662	3.419	ng	98
83) Chrysene	14.274	228	84011	2.829	ng	96
88) Benzo(b)fluoranthene	15.345	252	69442m	2.217	ng	

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

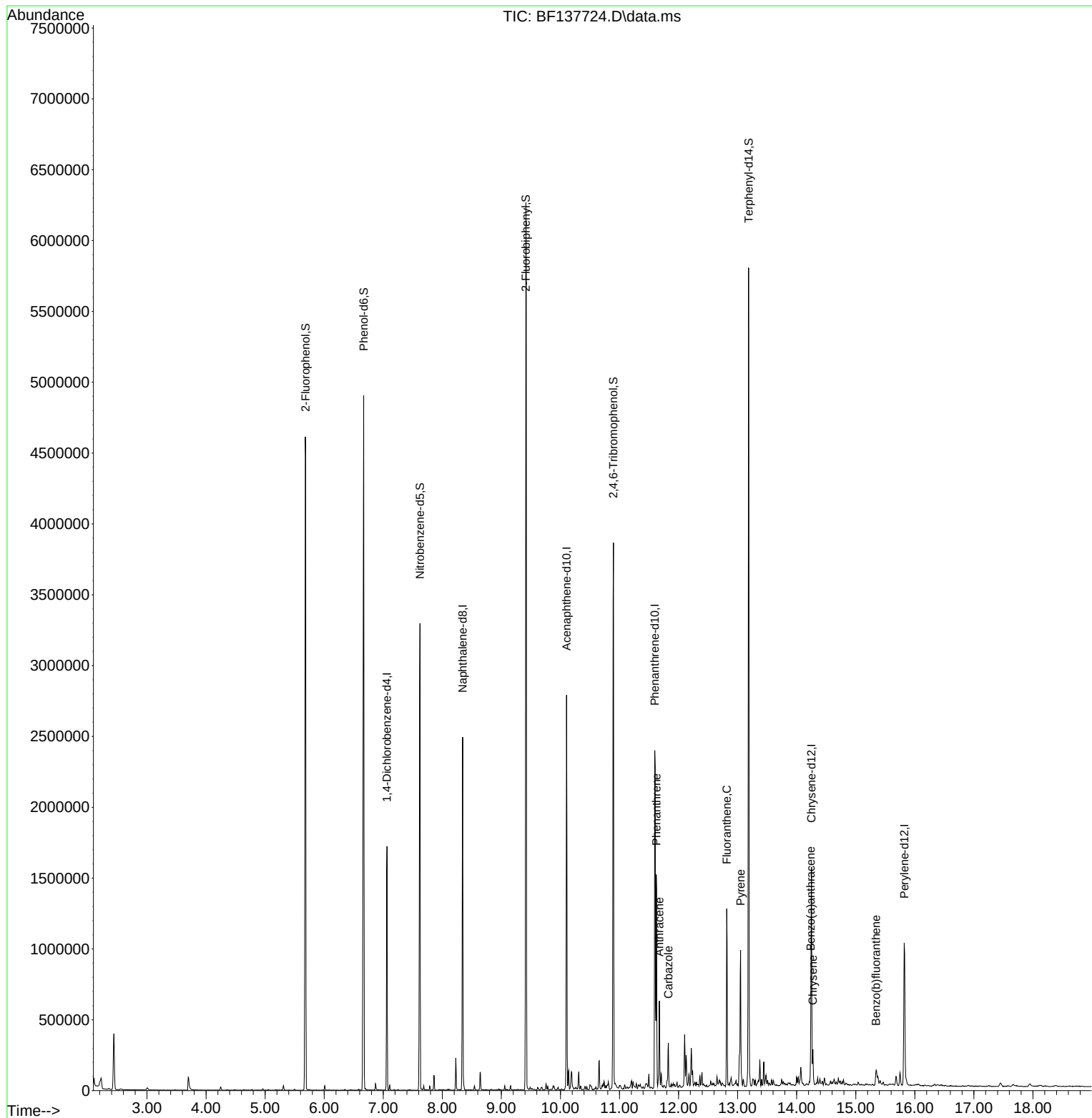
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137724.D
Acq On : 24 Apr 2024 18:18
Operator : CG\JU
Sample : P2245-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

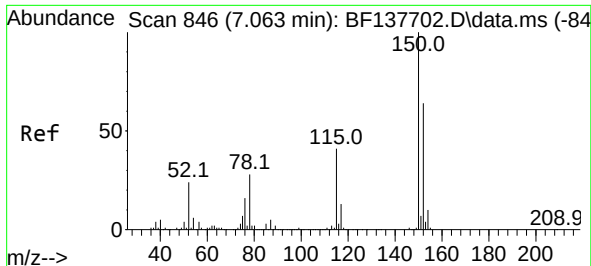
Instrument :
BNA_F
ClientSampleId :
YARD-3

Quant Time: Apr 25 04:17:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 03:57:12 2024
Response via : Initial Calibration

Manual Integrations
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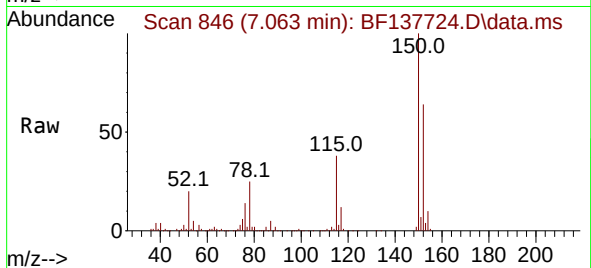
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

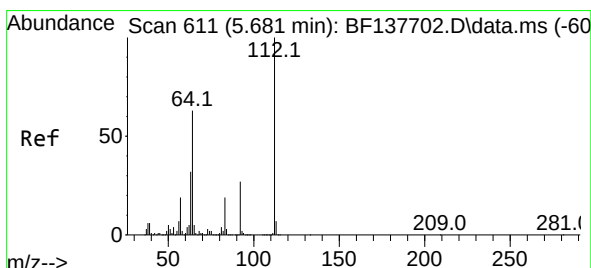
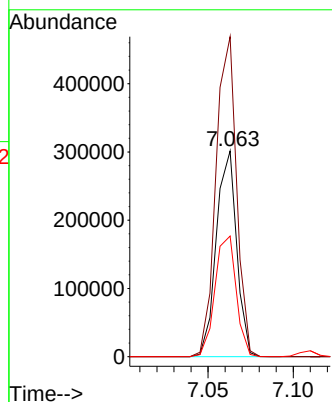
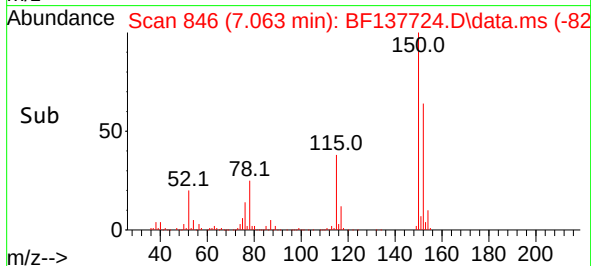
Instrument :
BNA_F
ClientSampleId :
YARD-3



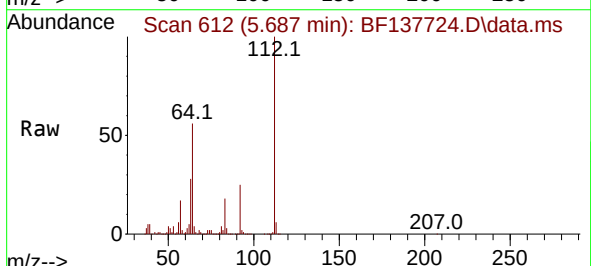
Tgt Ion:152 Resp: 250068
Ion Ratio Lower Upper
152 100
150 155.5 124.2 186.4
115 58.6 50.8 76.2

Manual Integrations
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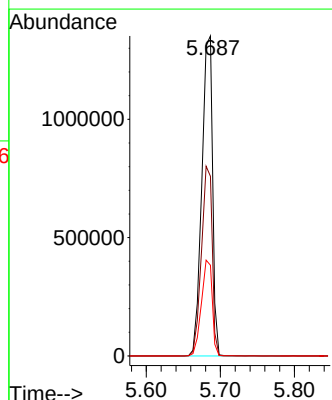
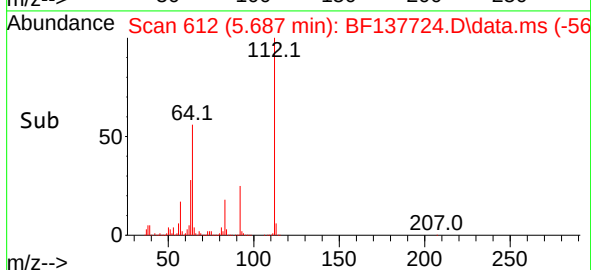
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

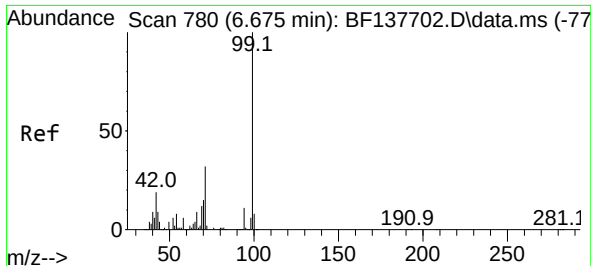


#5
2-Fluorophenol
Concen: 82.714 ng
RT: 5.687 min Scan# 612
Delta R.T. 0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18



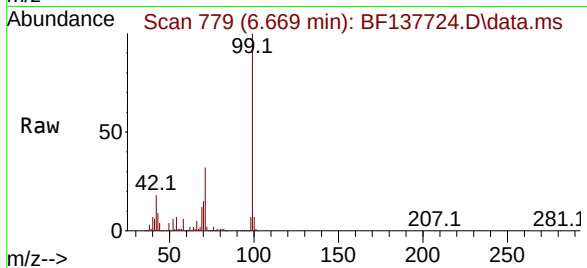
Tgt Ion:112 Resp: 1361655
Ion Ratio Lower Upper
112 100
64 56.1 50.1 75.1
63 28.3 25.2 37.8





#7
Phenol-d6
Concen: 82.925 ng
RT: 6.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

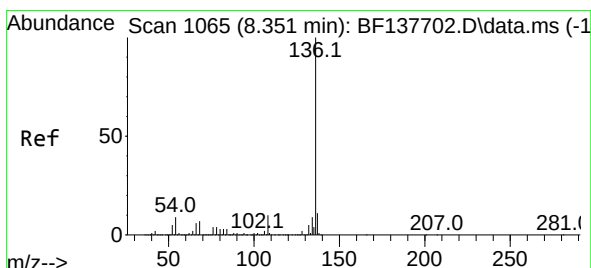
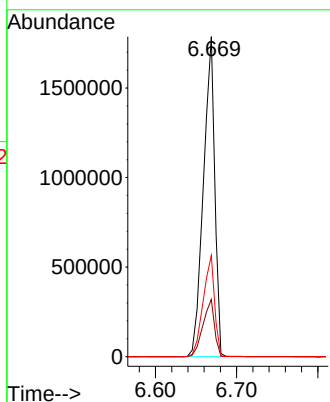
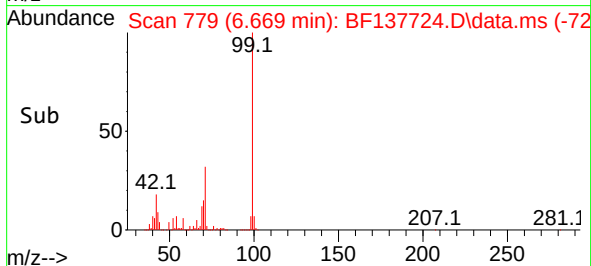
Instrument :
BNA_F
ClientSampleId :
YARD-3



Tgt Ion: 99 Resp: 173357
Ion Ratio Lower Upper
99 100
42 17.9 15.0 22.4
71 31.6 25.7 38.5

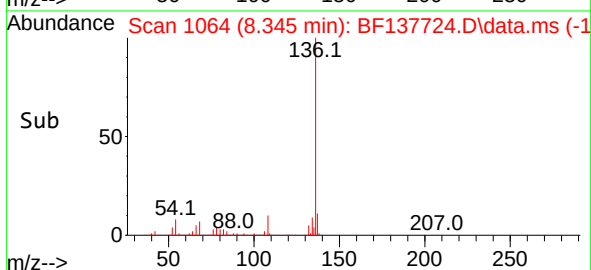
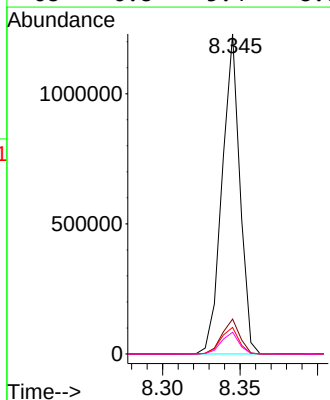
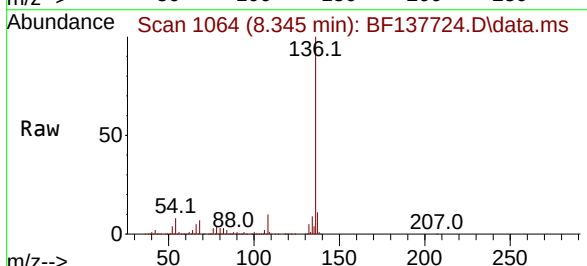
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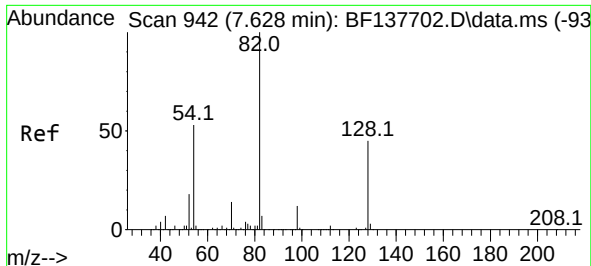
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

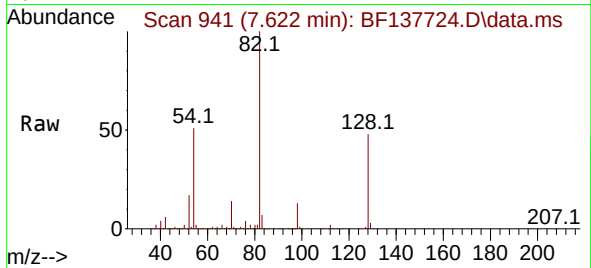
Tgt Ion:136 Resp: 978984
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.3 6.9 10.3
68 6.8 5.4 8.0





#23
Nitrobenzene-d5
Concen: 55.612 ng
RT: 7.622 min Scan# 942
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

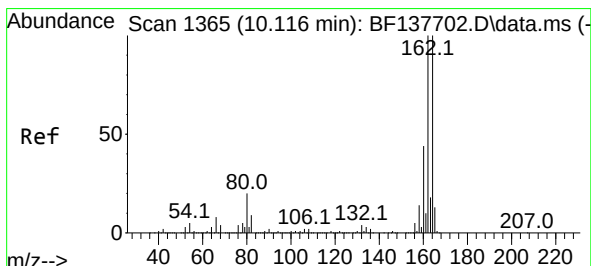
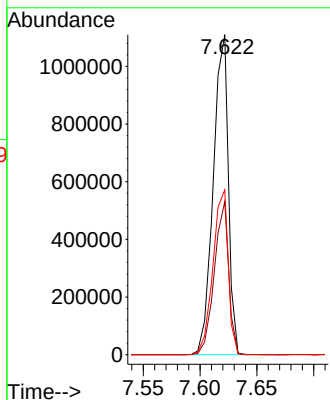
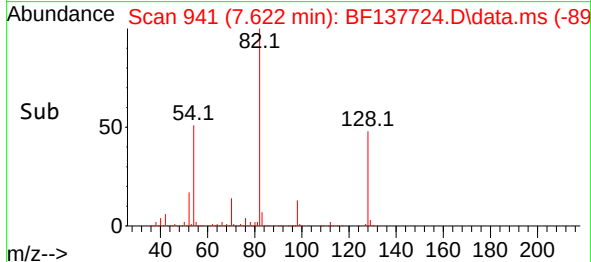
Instrument :
BNA_F
ClientSampleId :
YARD-3



Tgt Ion: 82 Resp: 1025624
Ion Ratio Lower Upper
82 100
128 47.8 35.8 53.6
54 51.5 42.5 63.7

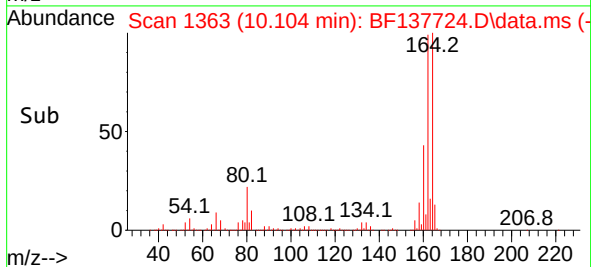
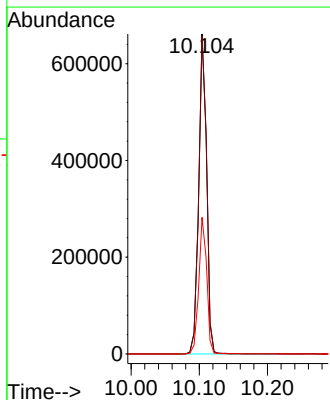
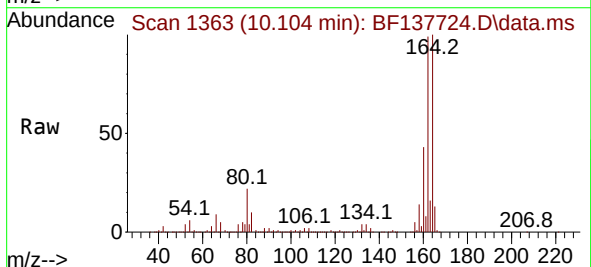
Manual Integrations
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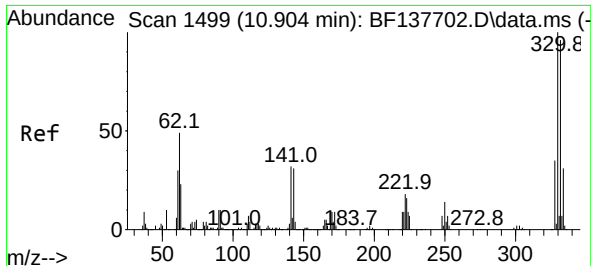
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Tgt Ion:164 Resp: 533393
Ion Ratio Lower Upper
164 100
162 99.4 80.3 120.5
160 42.7 35.0 52.4





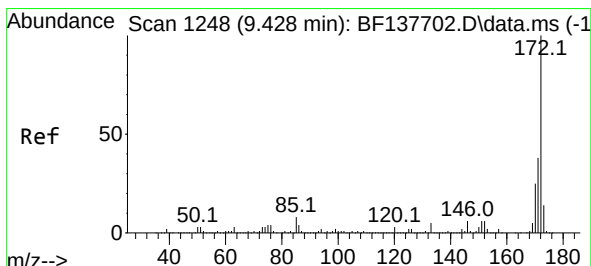
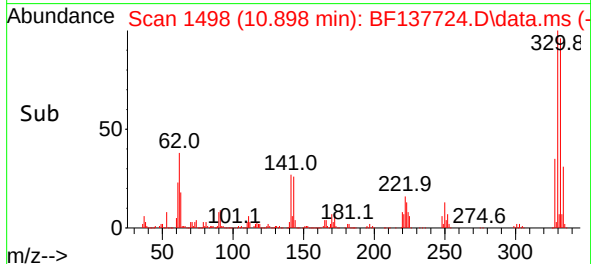
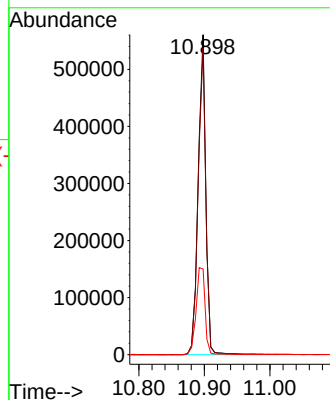
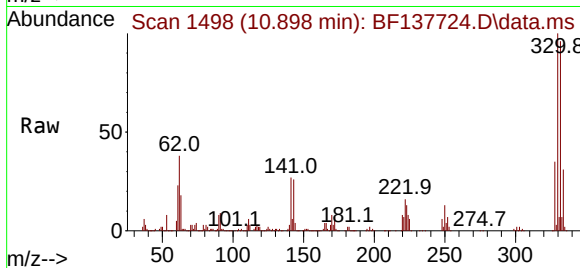
#42
2,4,6-Tribromophenol
Concen: 84.756 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Instrument :
BNA_F
ClientSampleId :
YARD-3

Tgt Ion:330 Resp: 456184
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 32.3 27.0 40.4

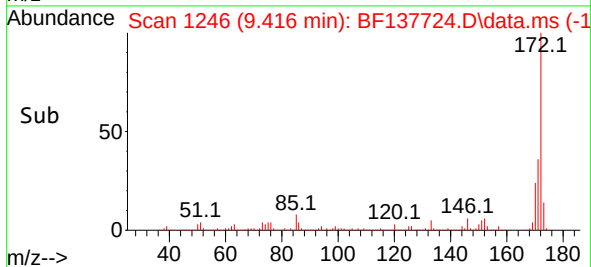
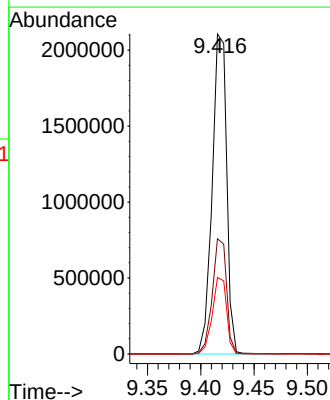
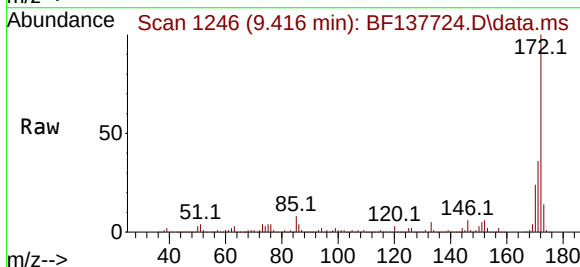
Manual Integrations
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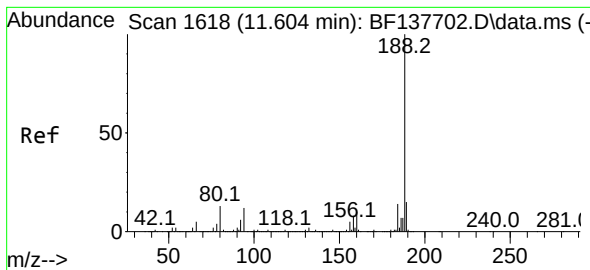
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#45
2-Fluorobiphenyl
Concen: 55.961 ng
RT: 9.416 min Scan# 1246
Delta R.T. -0.012 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

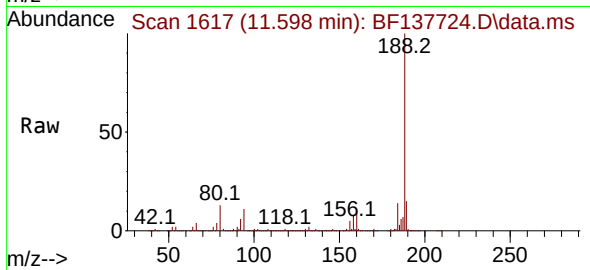
Tgt Ion:172 Resp: 1997656
Ion Ratio Lower Upper
172 100
171 36.0 30.2 45.4
170 23.9 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

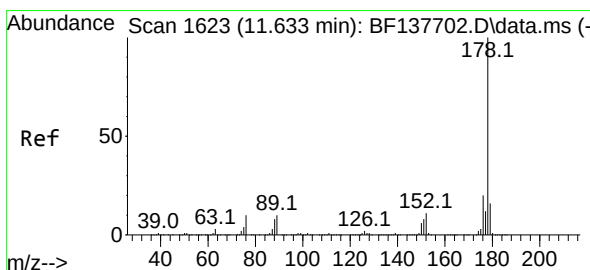
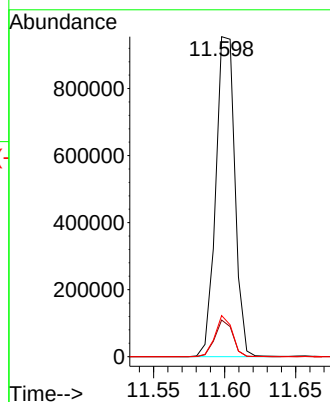
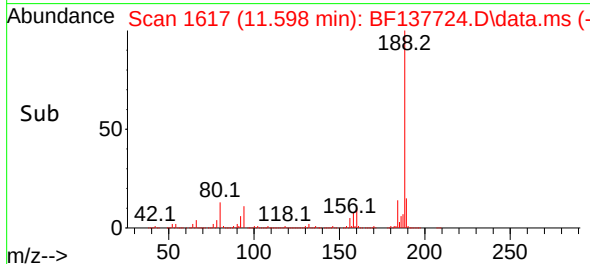
Instrument :
BNA_F
ClientSampleId :
YARD-3



Tgt Ion:188 Resp: 891120
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 12.9 10.2 15.4

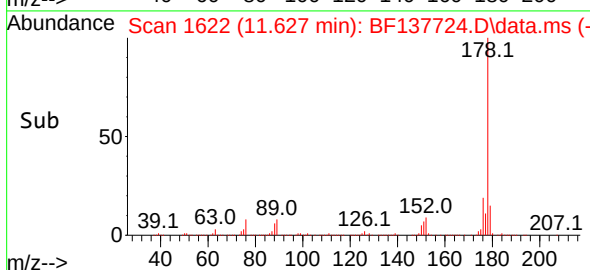
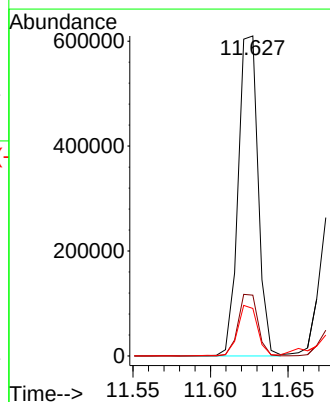
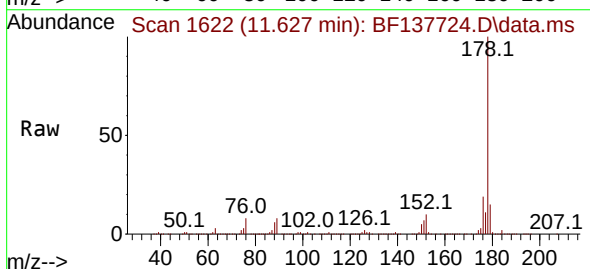
Manual Integrations
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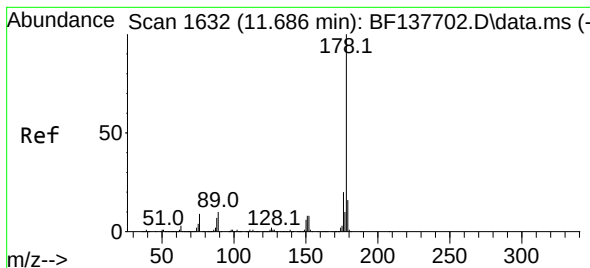
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#71
Phenanthrene
Concen: 11.561 ng
RT: 11.627 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Tgt Ion:178 Resp: 545337
Ion Ratio Lower Upper
178 100
176 19.0 16.4 24.6
179 14.9 12.8 19.2





#72

Anthracene

Concen: 4.194 ng

RT: 11.674 min Scan# 1630

Delta R.T. -0.012 min

Lab File: BF137724.D

Acq: 24 Apr 2024 18:18

Instrument :

BNA_F

ClientSampleId :

YARD-3

Tgt Ion:178 Resp: 202598

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

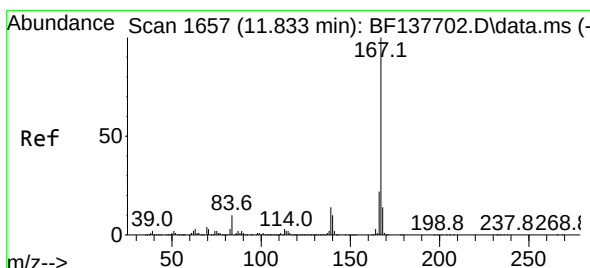
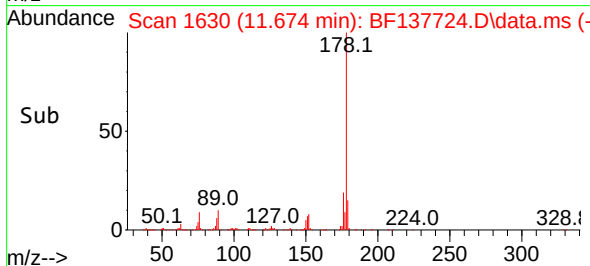
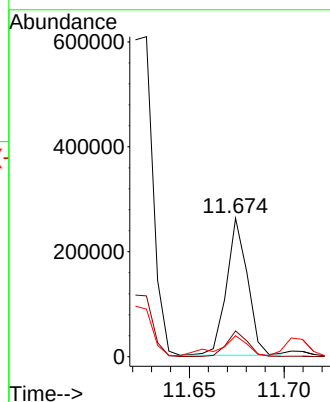
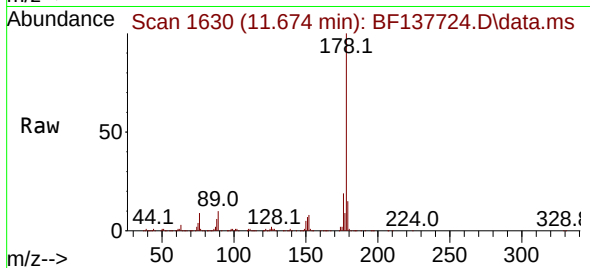
179 15.2 13.0 19.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#73

Carbazole

Concen: 2.627 ng

RT: 11.827 min Scan# 1656

Delta R.T. -0.006 min

Lab File: BF137724.D

Acq: 24 Apr 2024 18:18

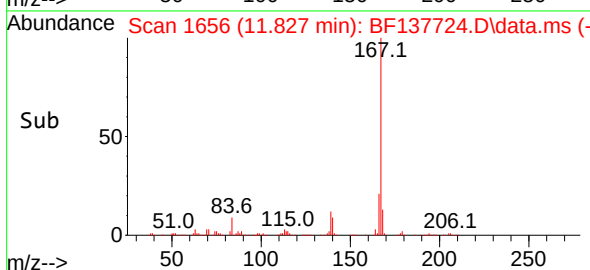
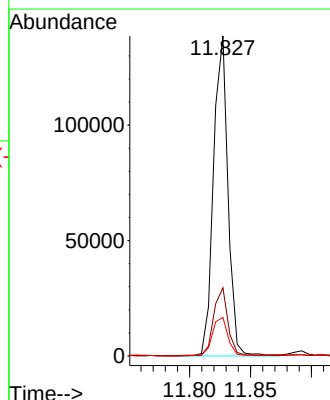
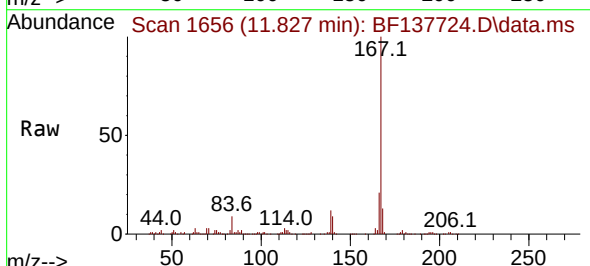
Tgt Ion:167 Resp: 115015

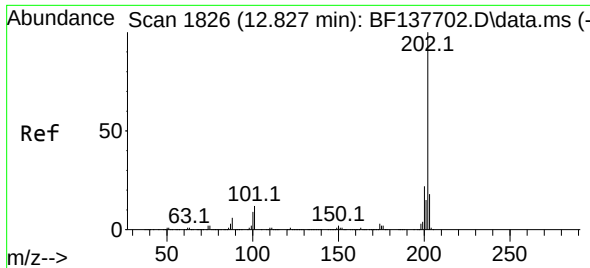
Ion Ratio Lower Upper

167 100

166 21.3 17.5 26.3

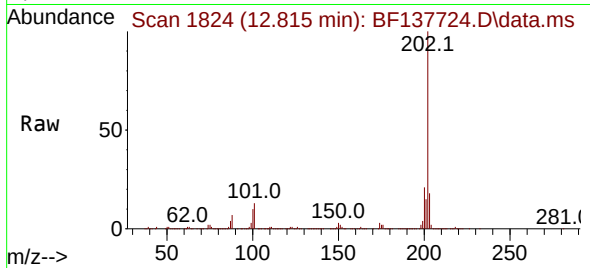
139 12.1 10.9 16.3





#75
Fluoranthene
Concen: 9.355 ng
RT: 12.815 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

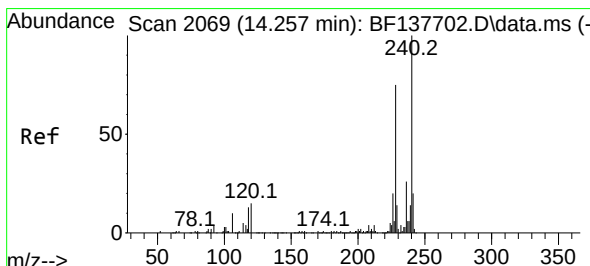
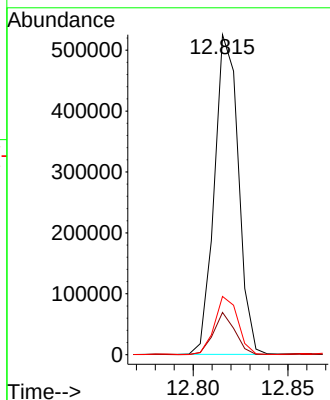
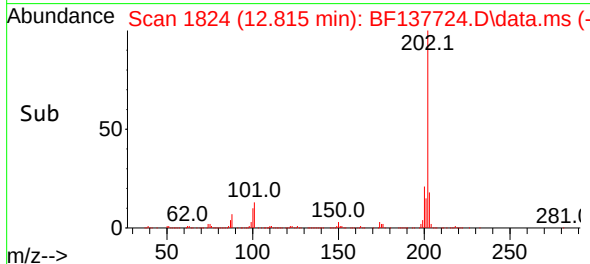
Instrument :
BNA_F
ClientSampleId :
YARD-3



Tgt Ion:202 Resp: 463850
Ion Ratio Lower Upper
202 100
101 13.2 0.0 32.2
203 18.2 0.0 38.1

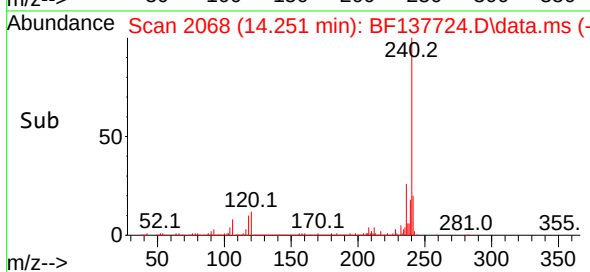
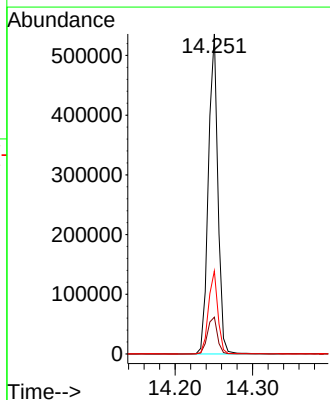
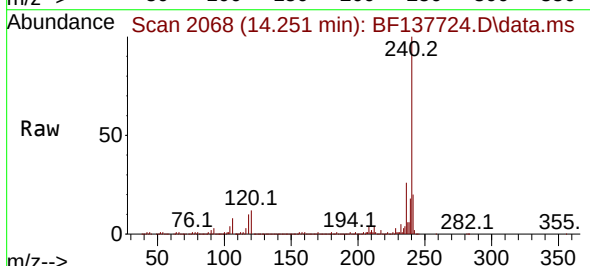
Manual Integrations
APPROVED

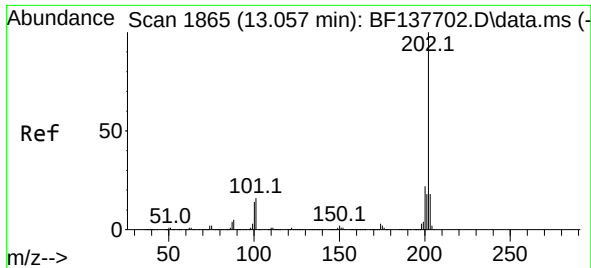
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

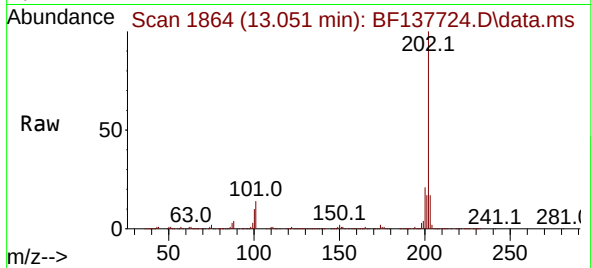
Tgt Ion:240 Resp: 455618
Ion Ratio Lower Upper
240 100
120 11.5 11.9 17.9#
236 25.9 20.8 31.2





#78
Pyrene
Concen: 9.831 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

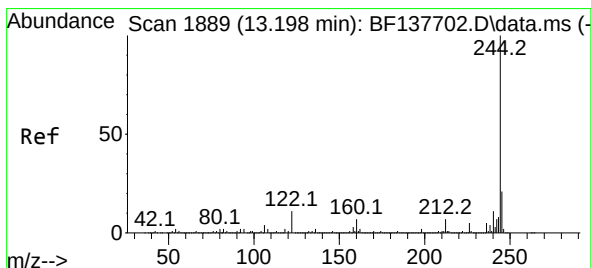
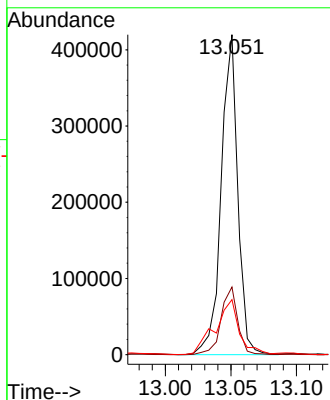
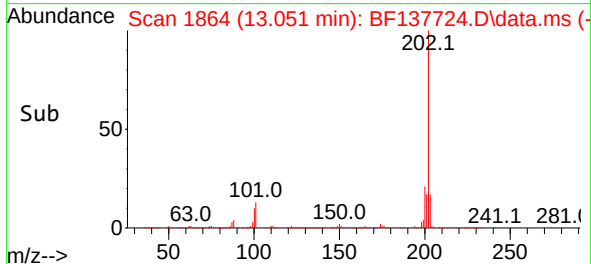
Instrument :
BNA_F
ClientSampleId :
YARD-3



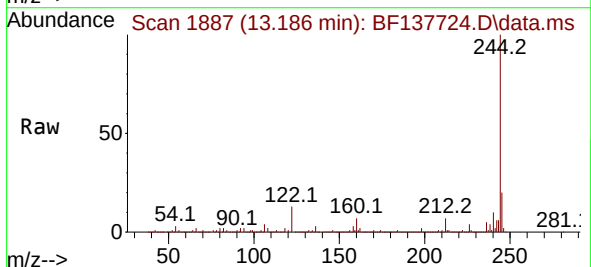
Tgt Ion:202 Resp: 367637
Ion Ratio Lower Upper
202 100
200 21.2 17.8 26.6
203 17.2 14.6 21.8

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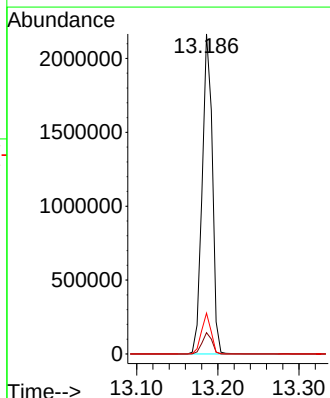
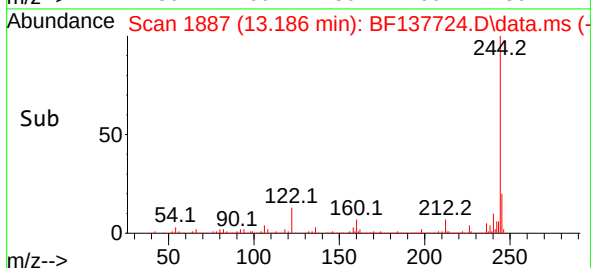
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

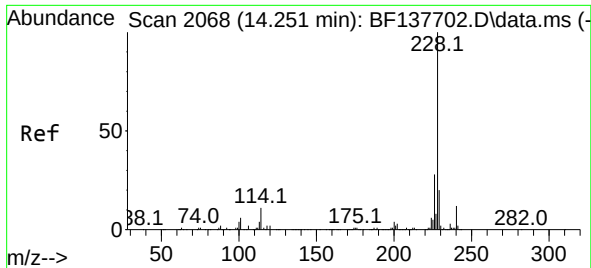


#79
Terphenyl-d14
Concen: 66.331 ng
RT: 13.186 min Scan# 1887
Delta R.T. -0.012 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18



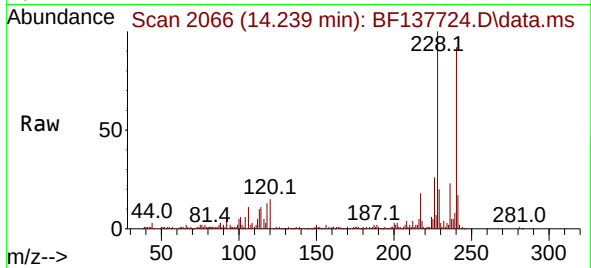
Tgt Ion:244 Resp: 1877618
Ion Ratio Lower Upper
244 100
212 6.7 5.5 8.3
122 12.8 8.8 13.2





#81
Benzo(a)anthracene
Concen: 3.419 ng
RT: 14.239 min Scan# 2066
Delta R.T. -0.012 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

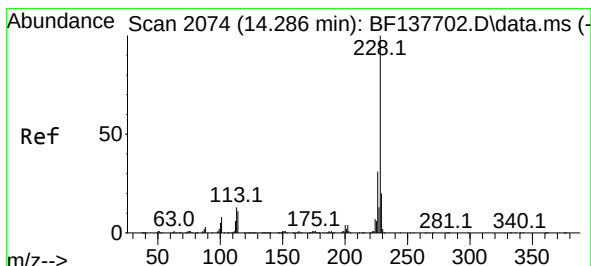
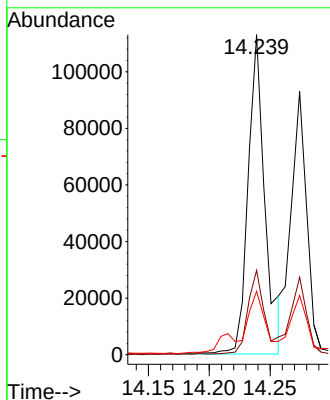
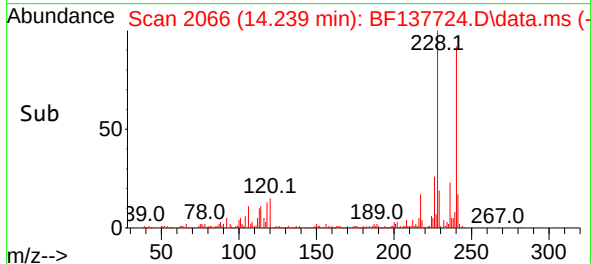
Instrument :
BNA_F
ClientSampleId :
YARD-3



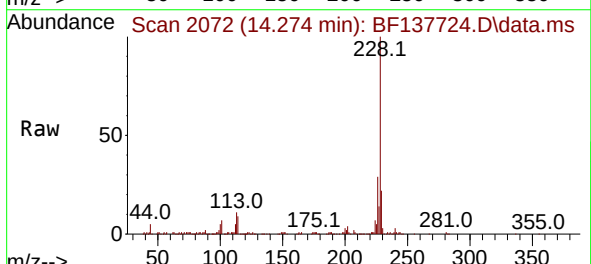
Tgt Ion:228 Resp: 108662
Ion Ratio Lower Upper
228 100
226 26.4 22.7 34.1
229 19.8 16.0 24.0

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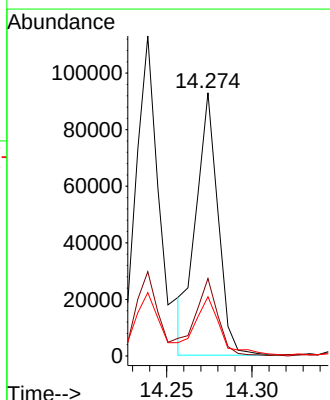
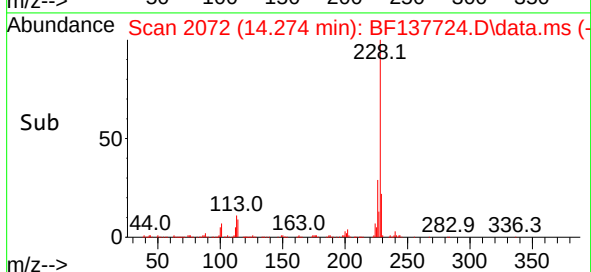
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

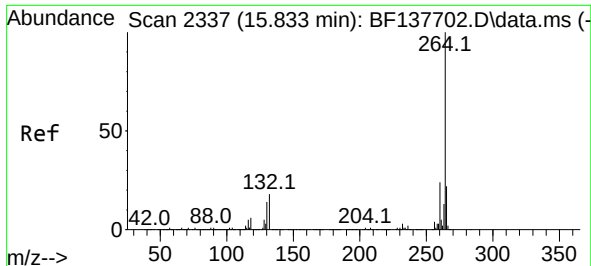


#83
Chrysene
Concen: 2.829 ng
RT: 14.274 min Scan# 2072
Delta R.T. -0.012 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18



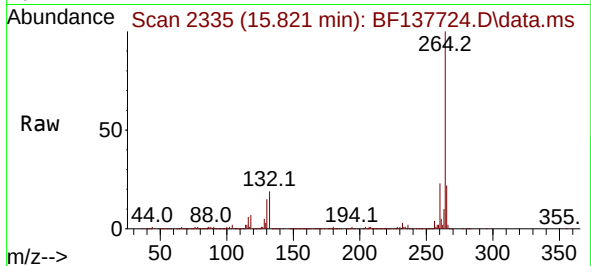
Tgt Ion:228 Resp: 84011
Ion Ratio Lower Upper
228 100
226 29.4 24.7 37.1
229 22.5 16.2 24.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.821 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

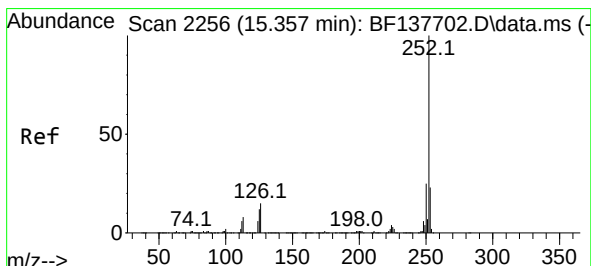
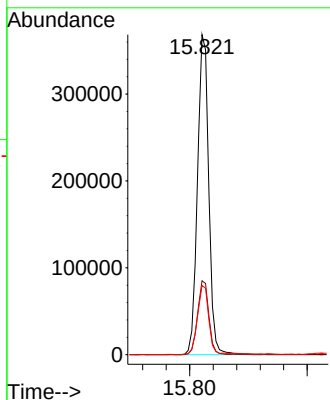
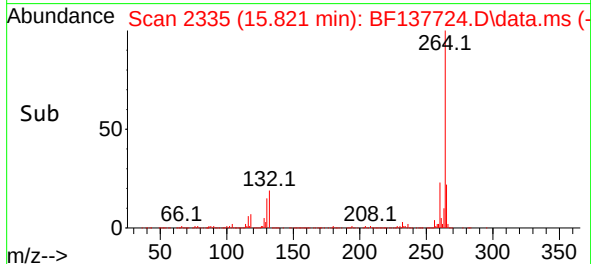
Instrument :
BNA_F
ClientSampleId :
YARD-3



Tgt Ion:264 Resp: 489434
Ion Ratio Lower Upper
264 100
260 23.1 19.4 29.2
265 21.6 17.5 26.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#88
Benzo(b)fluoranthene
Concen: 2.217 ng m
RT: 15.345 min Scan# 2254
Delta R.T. -0.012 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Tgt Ion:252 Resp: 69442
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 12.2 9.2 13.8

