

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030824\
 Data File : BF137546.D
 Acq On : 08 Mar 2024 16:41
 Operator : CG\JU
 Sample : P1688-01DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/09/2024
 Supervised By :mohammad ahmed 03/09/2024

Quant Time: Mar 08 22:18:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 08 22:10:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	205831	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	791160	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	422398	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	661903	20.000	ng	0.00
76) Chrysene-d12	14.080	240	369602	20.000	ng	0.00
86) Perylene-d12	15.627	264	442990	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	669470	49.261	ng	0.00
7) Phenol-d6	6.528	99	908463	46.309	ng	0.00
23) Nitrobenzene-d5	7.445	82	553779	32.523	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	162619	43.840	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	932023	34.540	ng	0.00
79) Terphenyl-d14	13.016	244	714500	26.583	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.951	154	66180	2.939	ng	99
55) Dibenzofuran	10.128	168	74035	2.158	ng	97
58) Fluorene	10.469	166	61663	2.341	ng	99
71) Phenanthrene	11.439	178	1787466	49.621	ng	99
72) Anthracene	11.492	178	444419	12.012	ng	98
75) Fluoranthene	12.639	202	1916463	54.428	ng	99
78) Pyrene	12.868	202	1710759	47.172	ng	99
81) Benzo(a)anthracene	14.068	228	918918	35.473	ng	99
83) Chrysene	14.104	228	776646	29.663	ng	98
87) Indeno(1,2,3-cd)pyrene	17.239	276	375278m	12.873	ng	
88) Benzo(b)fluoranthene	15.168	252	1037245m	39.583	ng	
89) Benzo(k)fluoranthene	15.192	252	316291m	11.237	ng	
90) Benzo(a)pyrene	15.562	252	793838	30.741	ng	98
91) Dibenzo(a,h)anthracene	17.256	278	93655m	3.960	ng	
92) Benzo(g,h,i)perylene	17.733	276	332588	13.694	ng	99

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

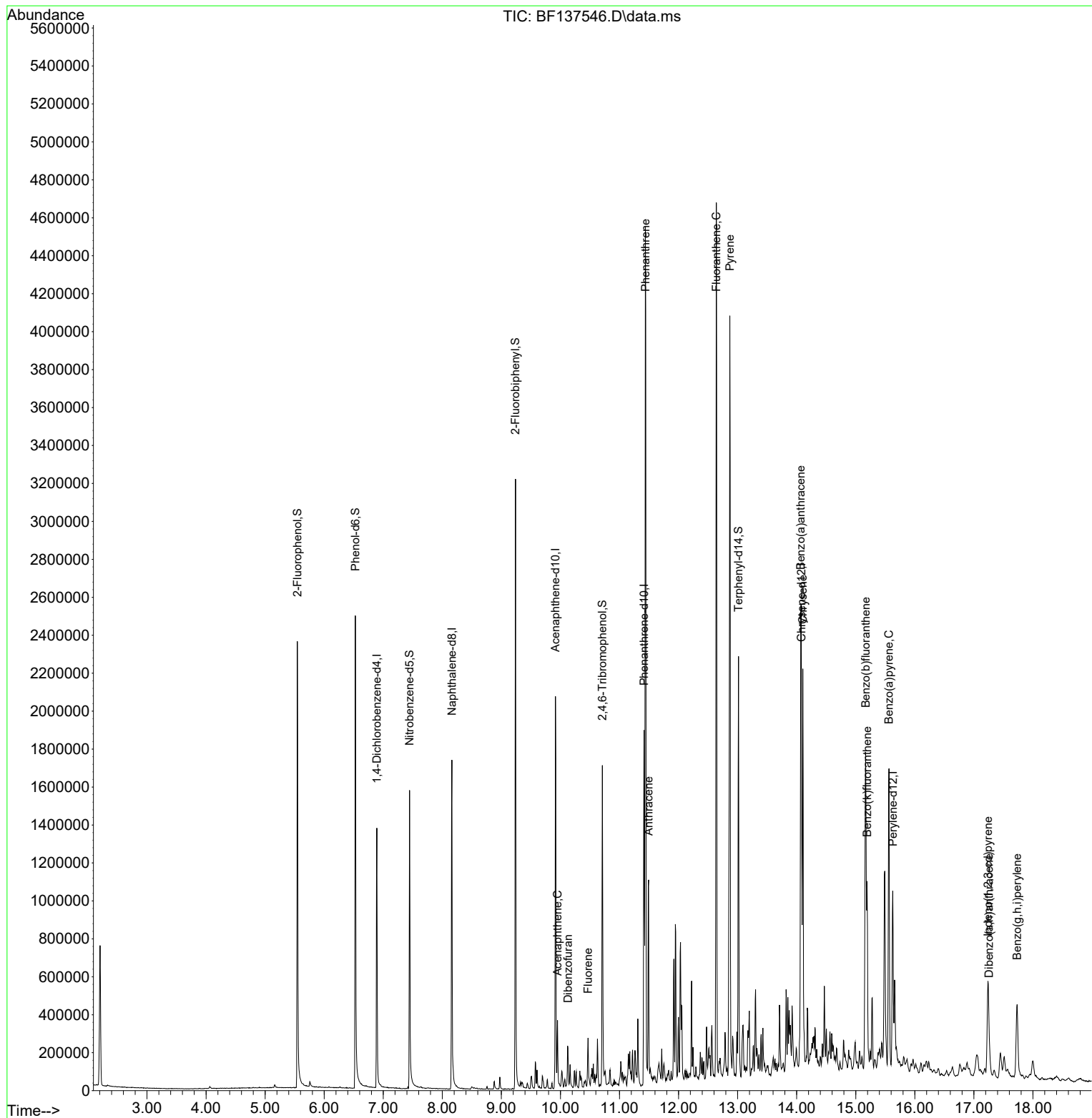
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030824\
Data File : BF137546.D
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ALS Vial : 9 Sample Multiplier: 1

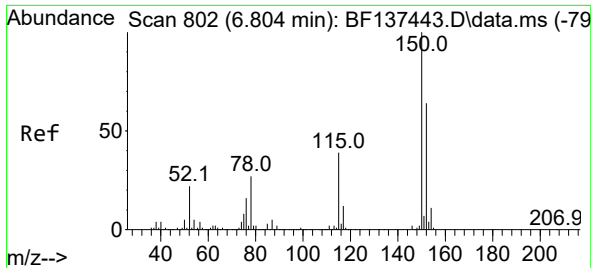
Instrument :
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Quant Time: Mar 08 22:18:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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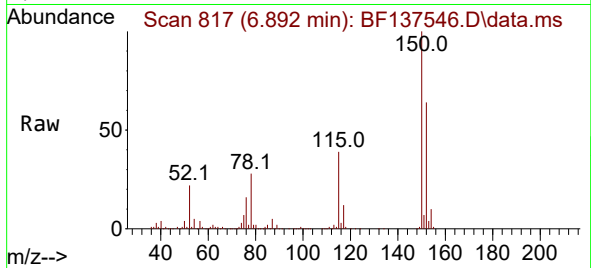
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. 0.005 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

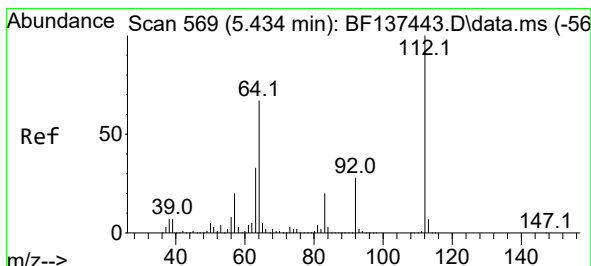
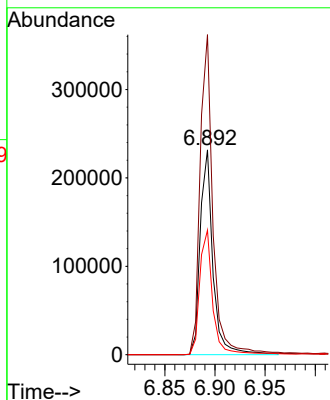
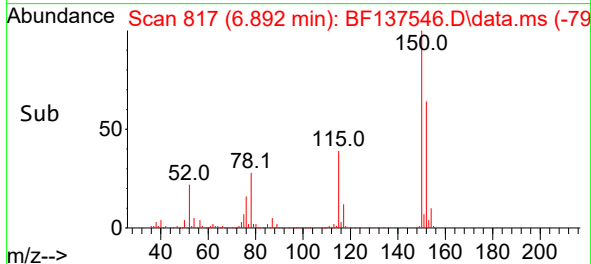
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



Tgt Ion:152 Resp: 20583
Ion Ratio Lower Upper
152 100
150 156.2 125.8 188.6
115 60.8 48.8 73.2

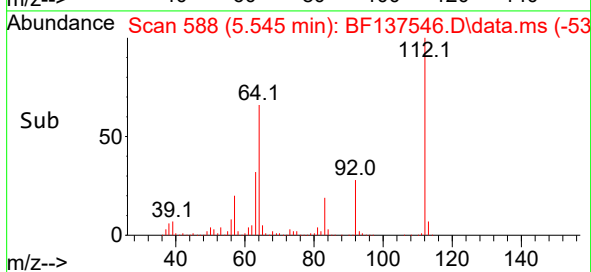
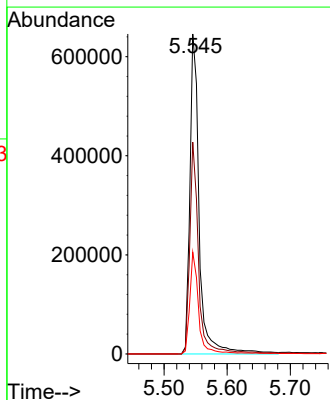
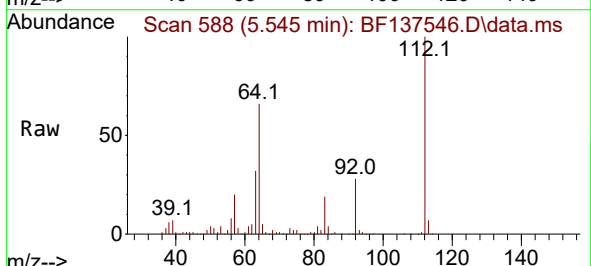
Manual Integrations
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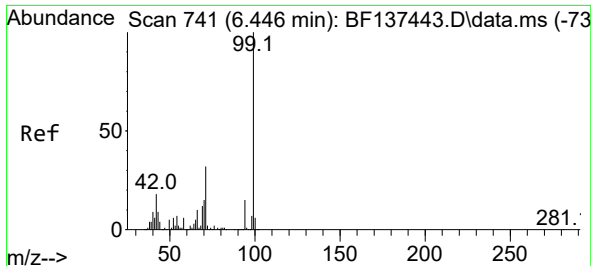
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024



#5
2-Fluorophenol
Concen: 49.261 ng
RT: 5.545 min Scan# 588
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

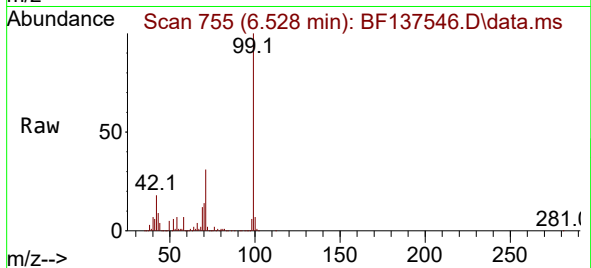
Tgt Ion:112 Resp: 669470
Ion Ratio Lower Upper
112 100
64 66.2 53.4 80.2
63 31.8 26.2 39.2





#7
Phenol-d6
Concen: 46.309 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

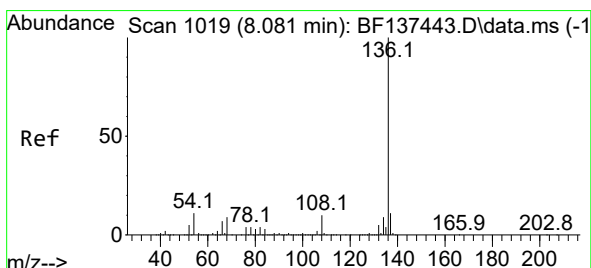
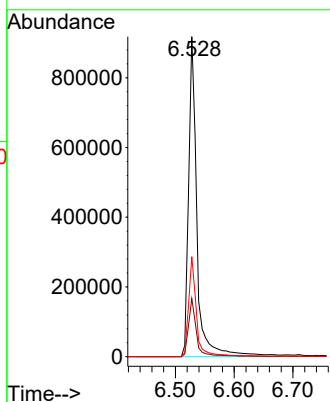
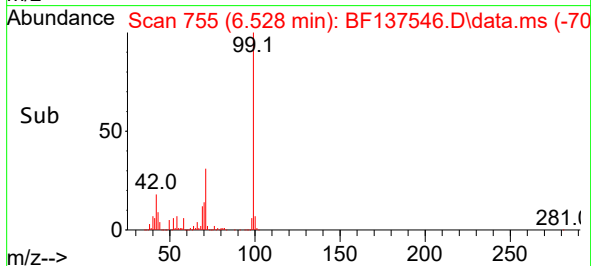
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



Tgt Ion: 99 Resp: 90846
Ion Ratio Lower Upper
99 100
42 18.2 14.6 21.8
71 31.2 25.3 37.9

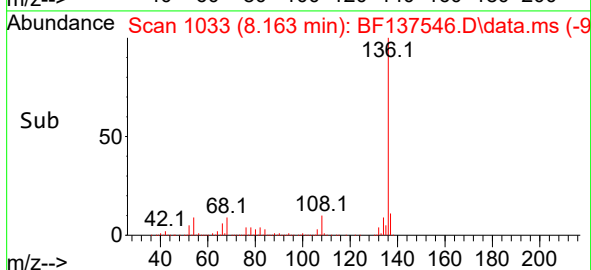
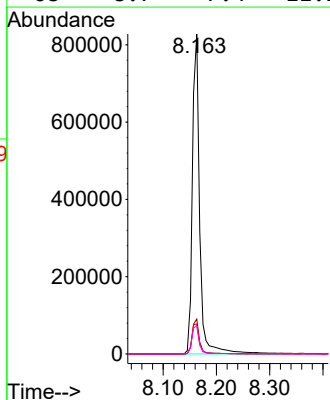
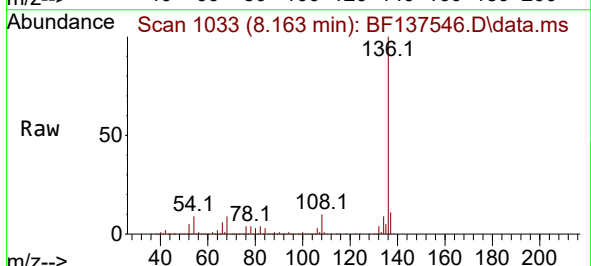
Manual Integrations
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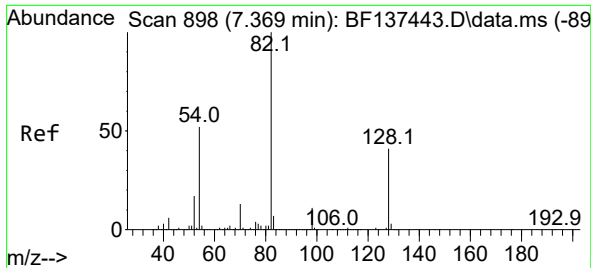
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

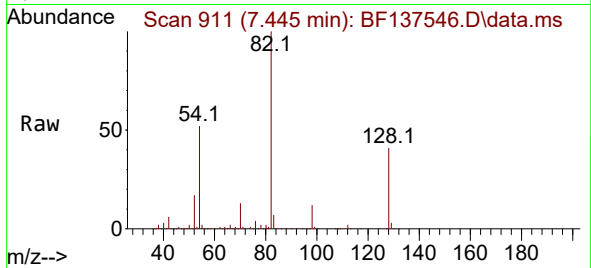
Tgt Ion:136 Resp: 791160
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 9.3 8.5 12.7
68 8.7 7.4 11.2





#23
Nitrobenzene-d5
Concen: 32.523 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

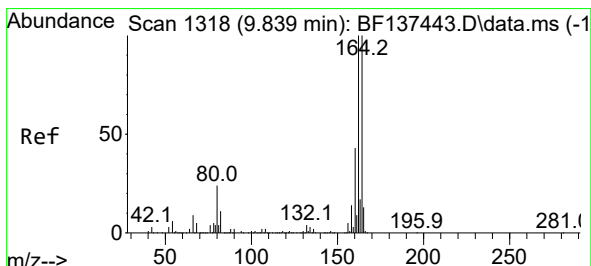
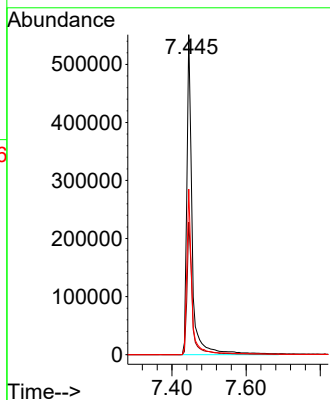
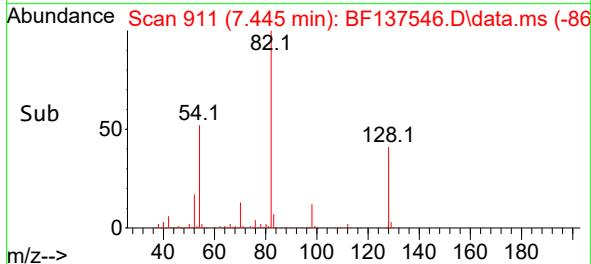
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



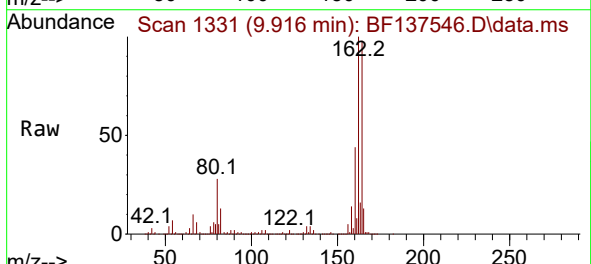
Tgt Ion: 82 Resp: 553779
Ion Ratio Lower Upper
82 100
128 41.5 32.5 48.7
54 51.8 41.5 62.3

Manual Integrations
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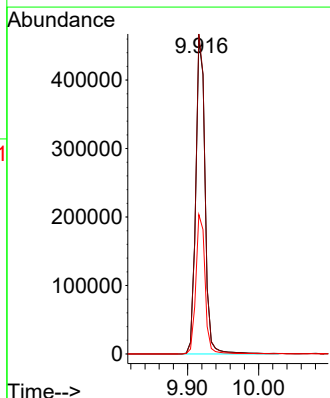
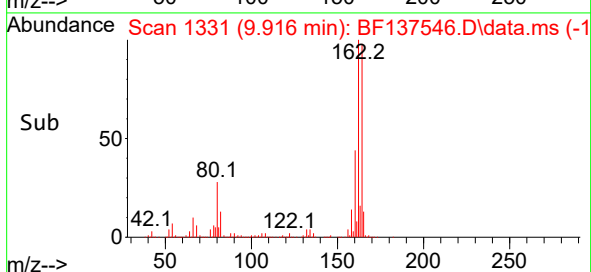
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024

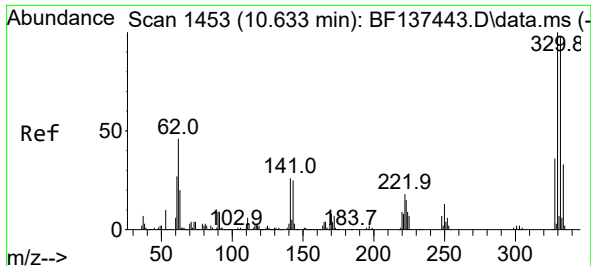


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41



Tgt Ion:164 Resp: 422398
Ion Ratio Lower Upper
164 100
162 101.9 79.8 119.8
160 44.4 34.4 51.6





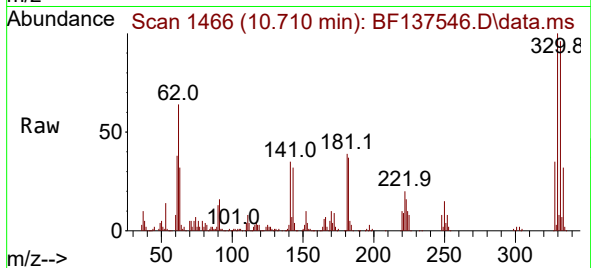
#42
2,4,6-Tribromophenol
Concen: 43.840 ng
RT: 10.710 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Instrument :

BNA_F

ClientSampleId :

COMP-1DL



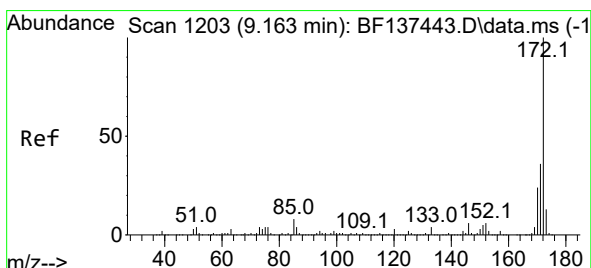
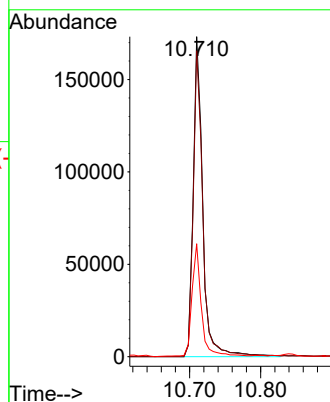
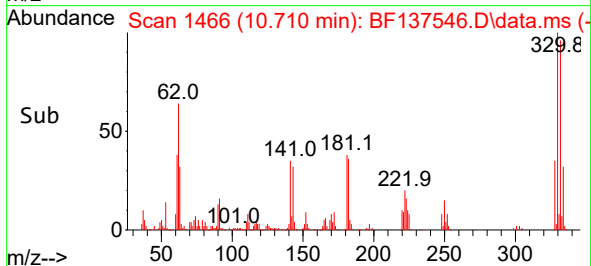
Tgt Ion: 330 Resp: 162619
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 35.3 27.3 40.9

Manual Integrations

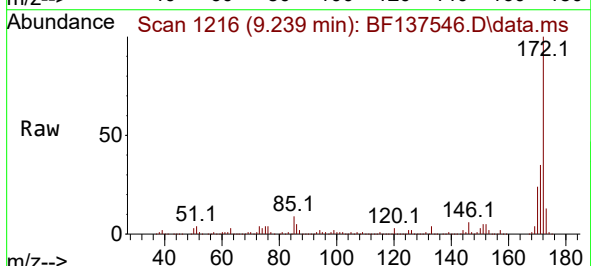
APPROVED

Reviewed By : Yogesh Patel 03/09/2024

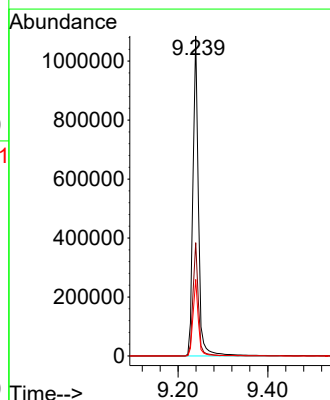
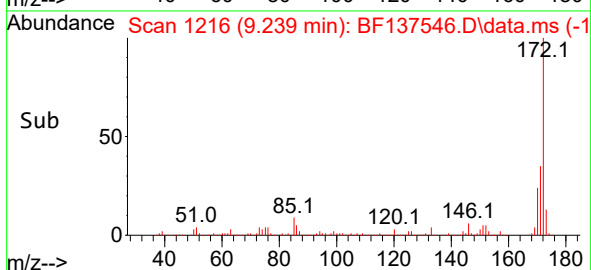
Supervised By : mohammad ahmed 03/09/2024

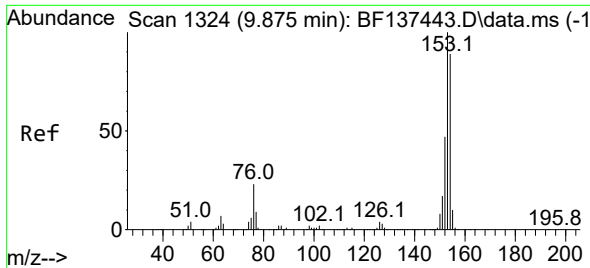


#45
2-Fluorobiphenyl
Concen: 34.540 ng
RT: 9.239 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41



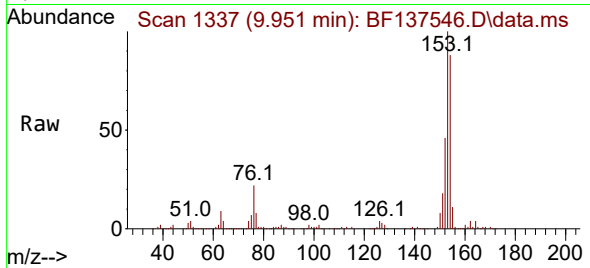
Tgt Ion: 172 Resp: 932023
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 23.9 19.0 28.6





#52
Acenaphthene
Concen: 2.939 ng
RT: 9.951 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

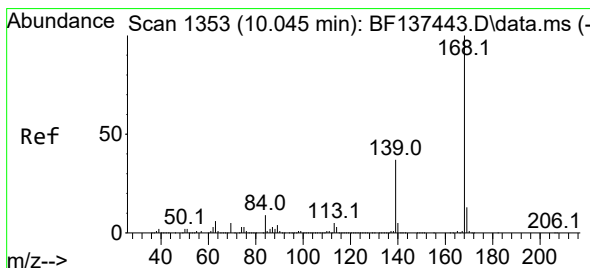
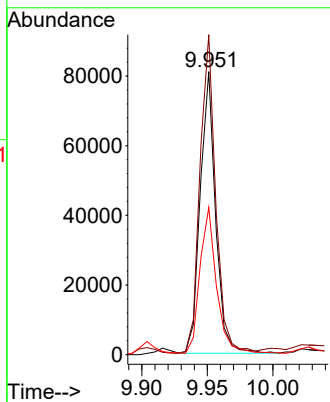
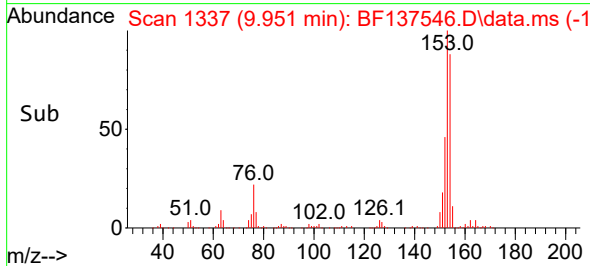
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



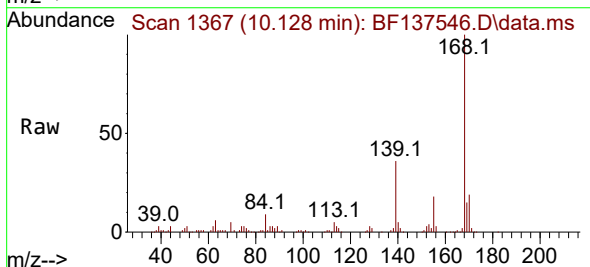
Tgt Ion:154 Resp: 66180
Ion Ratio Lower Upper
154 100
153 113.1 90.3 135.5
152 52.0 42.7 64.1

Manual Integrations
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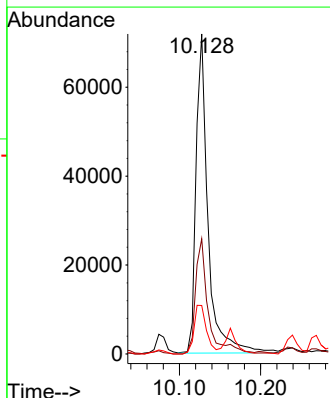
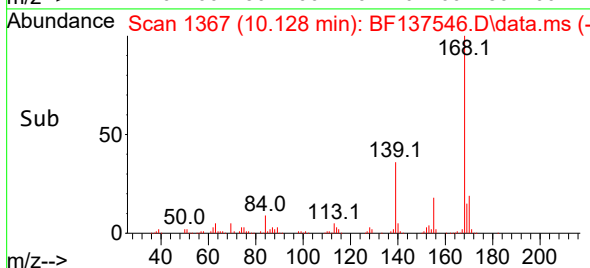
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024

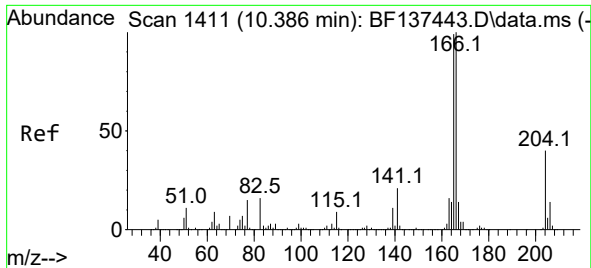


#55
Dibenzofuran
Concen: 2.158 ng
RT: 10.128 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41



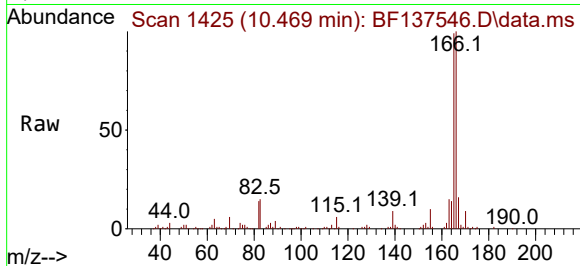
Tgt Ion:168 Resp: 74035
Ion Ratio Lower Upper
168 100
139 36.0 29.8 44.6
169 15.2 10.8 16.2





#58
Fluorene
Concen: 2.341 ng
RT: 10.469 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

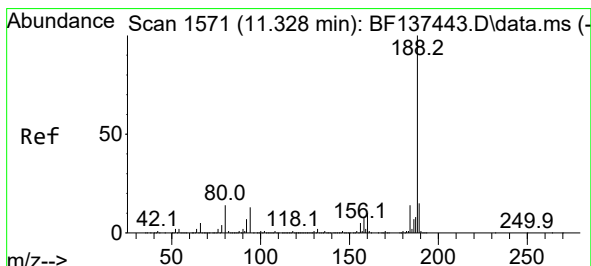
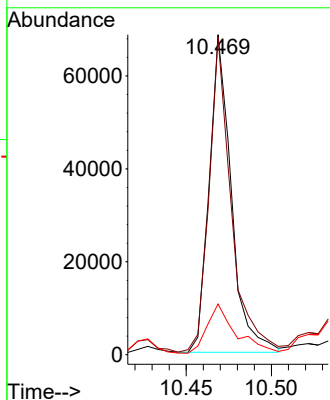
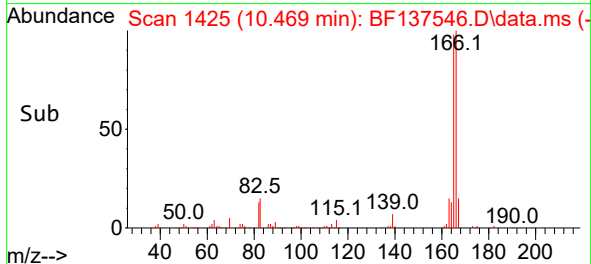
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



Tgt Ion:166 Resp: 61661
Ion Ratio Lower Upper
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165 99.3 79.2 118.8
167 15.9 11.0 16.6

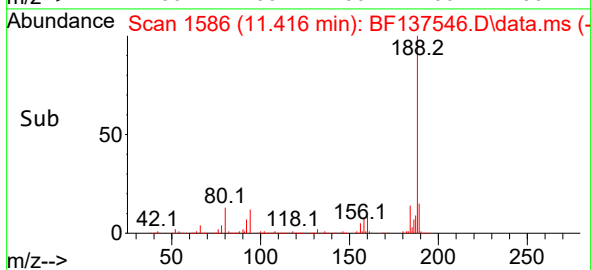
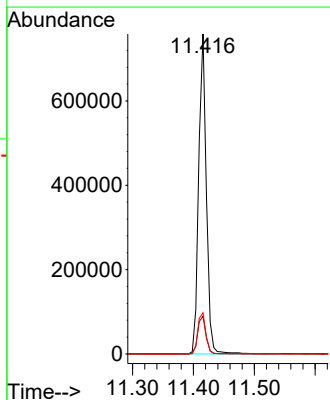
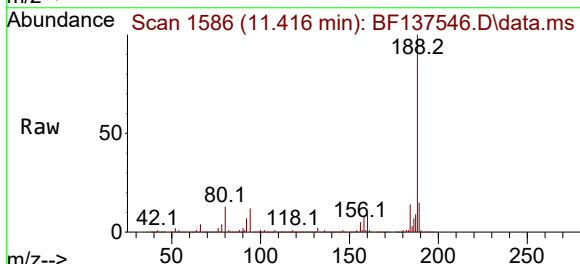
Manual Integrations
APPROVED

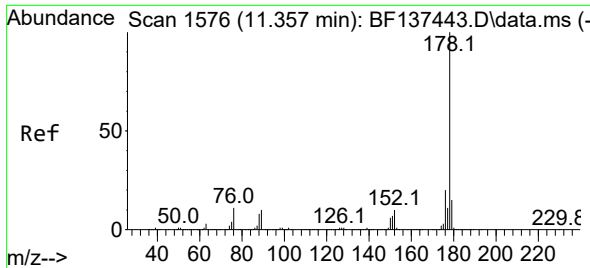
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

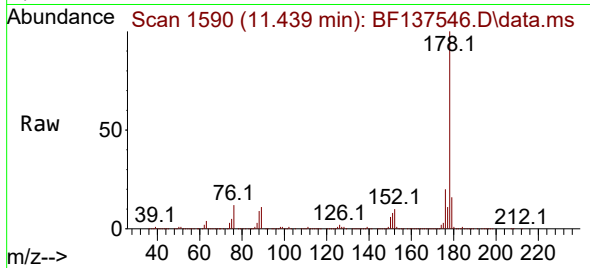
Tgt Ion:188 Resp: 661903
Ion Ratio Lower Upper
188 100
94 11.8 10.6 15.8
80 12.9 11.5 17.3





#71
Phenanthrene
Concen: 49.621 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

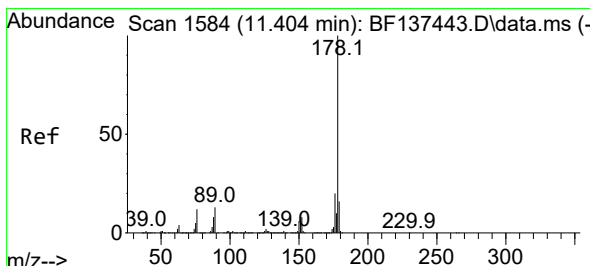
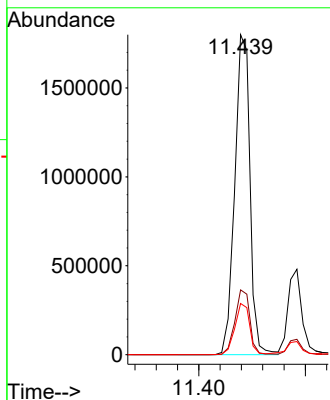
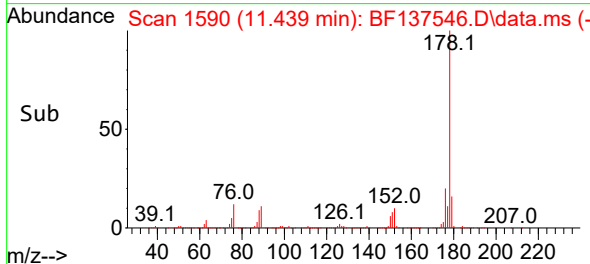
Instrument :
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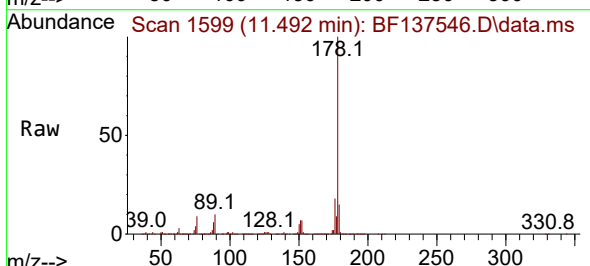
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Ion Ratio Lower Upper
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176 20.3 15.8 23.8
179 16.0 12.2 18.2

Manual Integrations
APPROVED

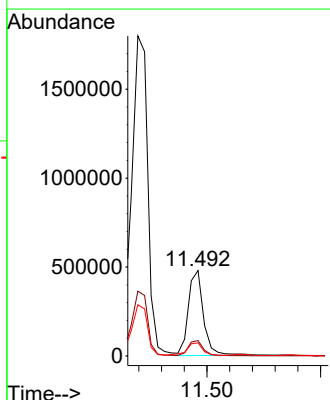
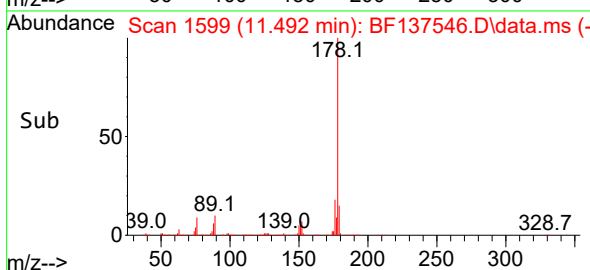
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024

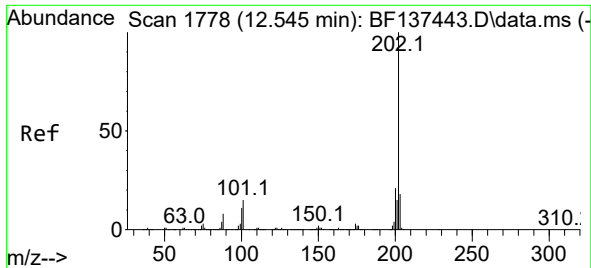


#72
Anthracene
Concen: 12.012 ng
RT: 11.492 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41



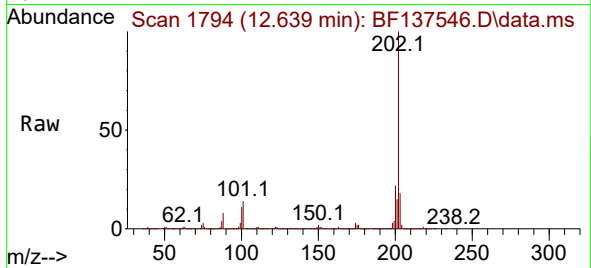
Tgt Ion:178 Resp: 444419
Ion Ratio Lower Upper
178 100
176 18.1 15.7 23.5
179 15.5 12.7 19.1





#75
Fluoranthene
Concen: 54.428 ng
RT: 12.639 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

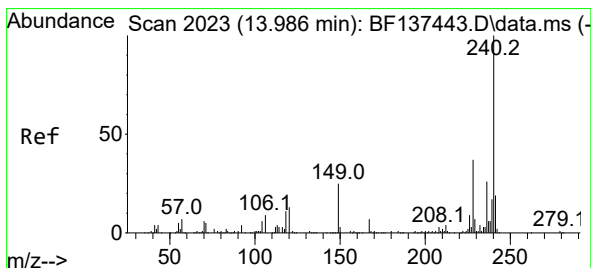
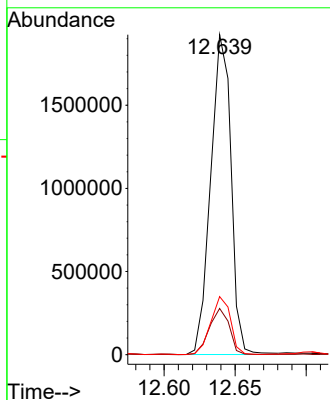
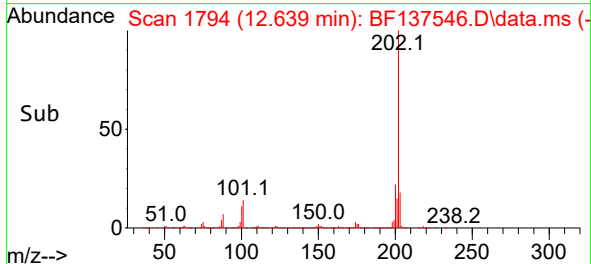
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



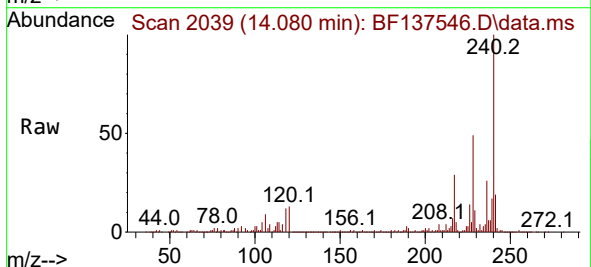
Tgt Ion:202 Resp: 191646
Ion Ratio Lower Upper
202 100
101 14.4 0.0 35.0
203 18.2 0.0 37.7

Manual Integrations
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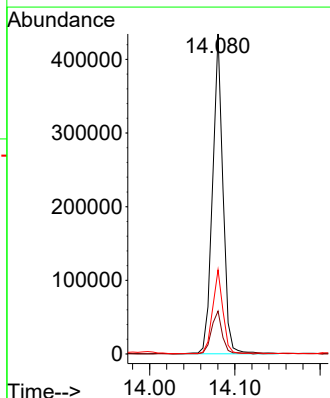
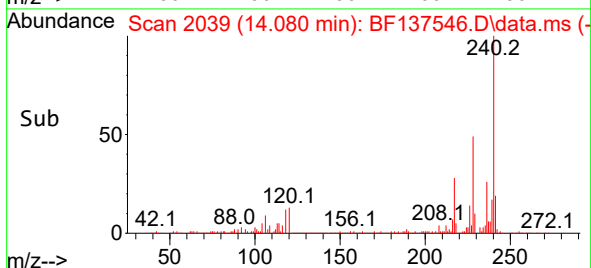
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024

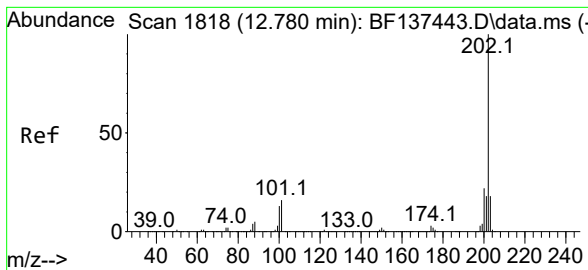


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41



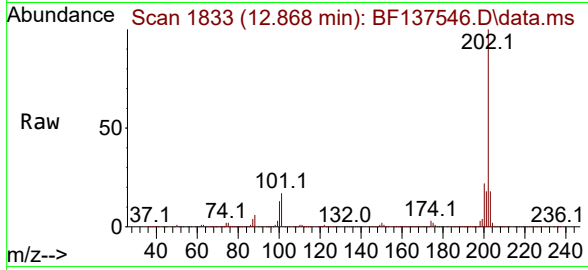
Tgt Ion:240 Resp: 369602
Ion Ratio Lower Upper
240 100
120 13.4 10.4 15.6
236 26.3 20.9 31.3





#78
Pyrene
Concen: 47.172 ng
RT: 12.868 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

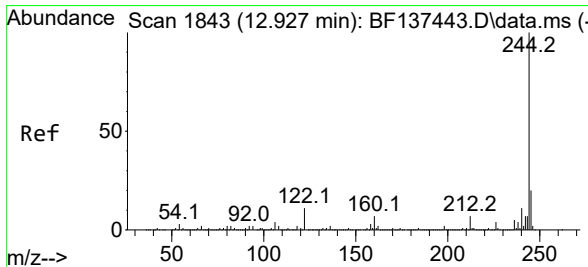
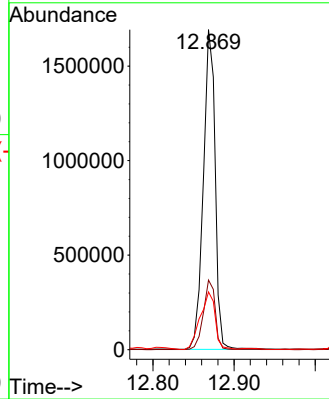
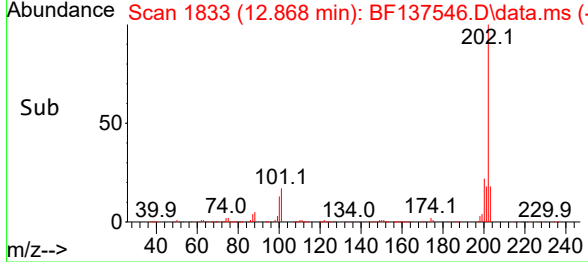
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



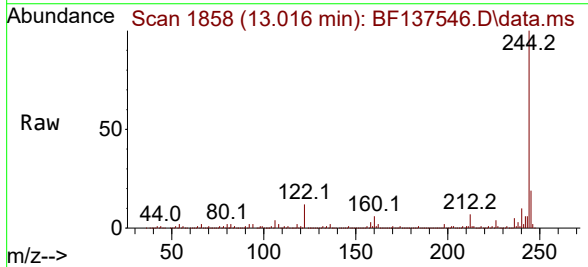
Tgt Ion:202 Resp: 1710759
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 18.1 14.1 21.1

Manual Integrations
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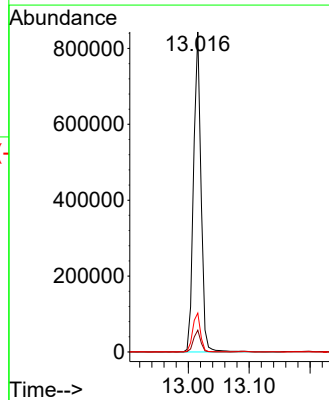
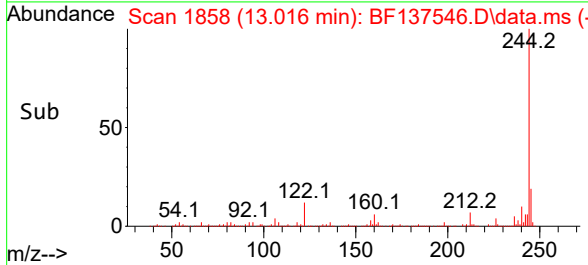
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024

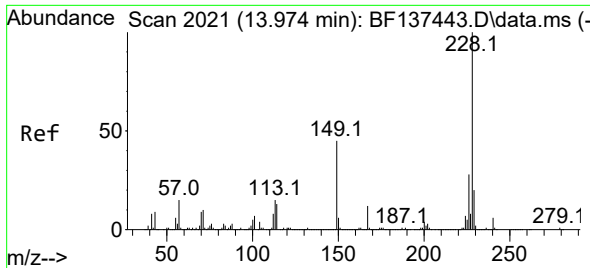


#79
Terphenyl-d14
Concen: 26.583 ng
RT: 13.016 min Scan# 1858
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41



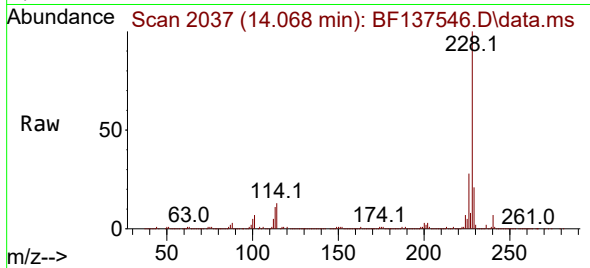
Tgt Ion:244 Resp: 714500
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 12.1 9.1 13.7





#81
Benzo(a)anthracene
Concen: 35.473 ng
RT: 14.068 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

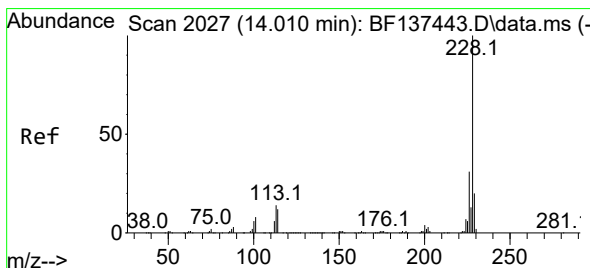
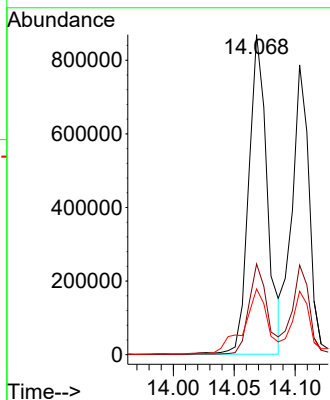
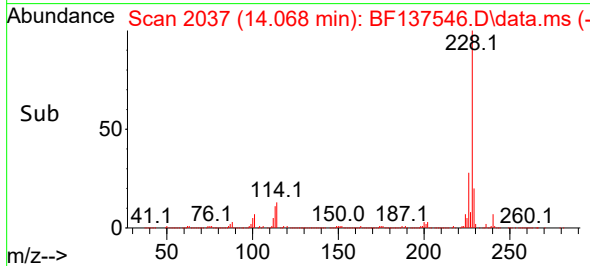
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



Tgt Ion:228 Resp: 918918
Ion Ratio Lower Upper
228 100
226 28.3 22.3 33.5
229 20.6 16.3 24.5

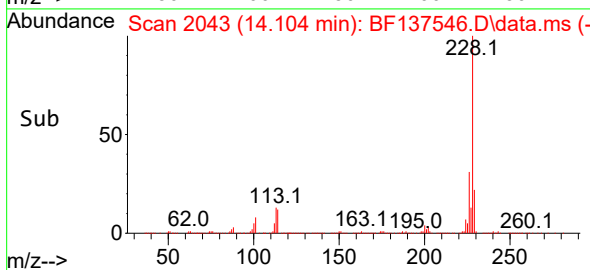
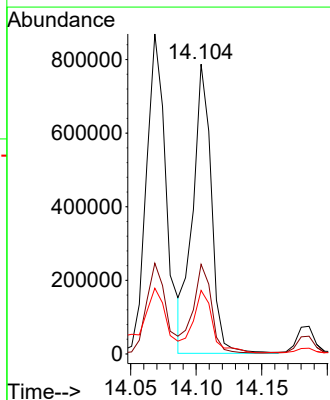
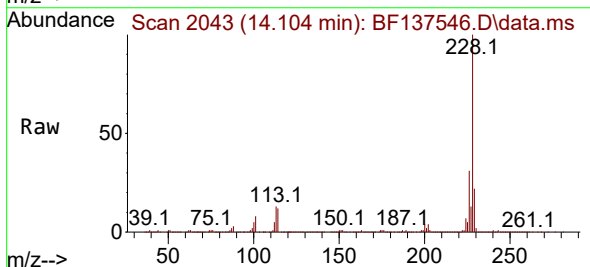
Manual Integrations
APPROVED

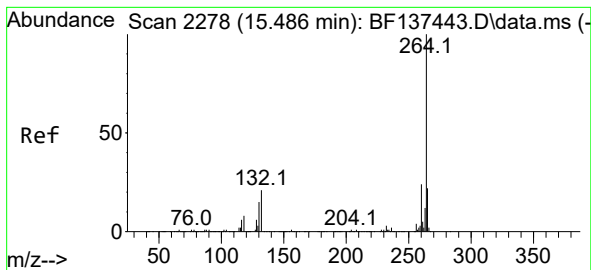
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024



#83
Chrysene
Concen: 29.663 ng
RT: 14.104 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Tgt Ion:228 Resp: 776646
Ion Ratio Lower Upper
228 100
226 30.9 24.7 37.1
229 21.9 15.9 23.9





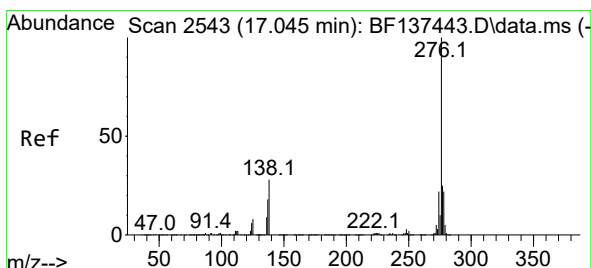
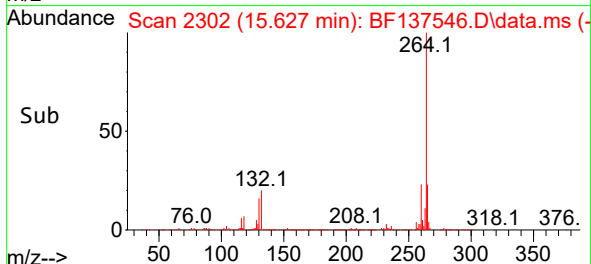
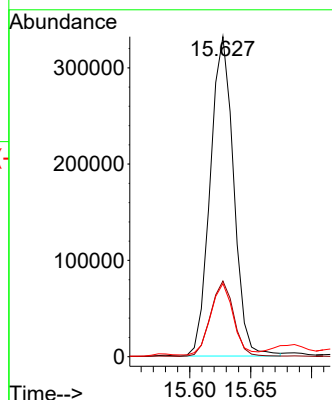
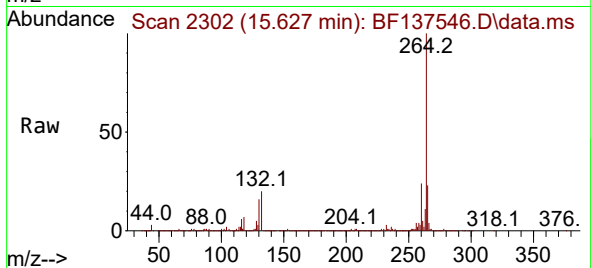
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Instrument :
BNA_F
ClientSampleId :
COMP-1DL

Tgt Ion:264 Resp: 442990
Ion Ratio Lower Upper
264 100
260 23.6 19.3 28.9
265 22.8 17.4 26.0

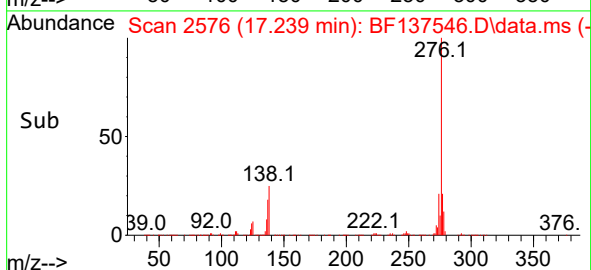
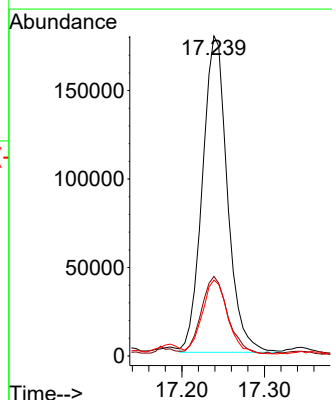
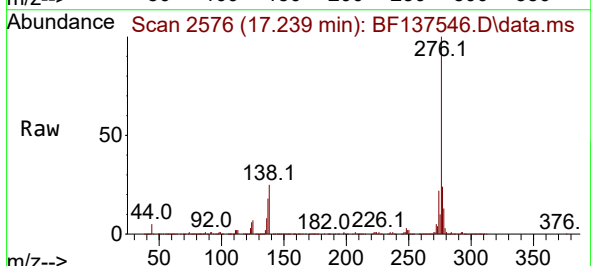
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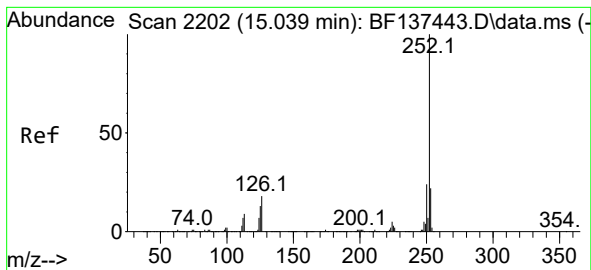
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.873 ng m
RT: 17.239 min Scan# 2576
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Tgt Ion:276 Resp: 375278
Ion Ratio Lower Upper
276 100
138 5.2 25.8 38.8#
277 4.9 20.2 30.2#





#88

Benzo(b)fluoranthene

Concen: 39.583 ng m

RT: 15.168 min Scan# 2202

Delta R.T. 0.012 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

Tgt Ion:252 Resp: 103724

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

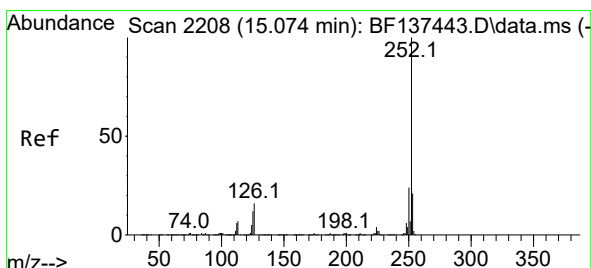
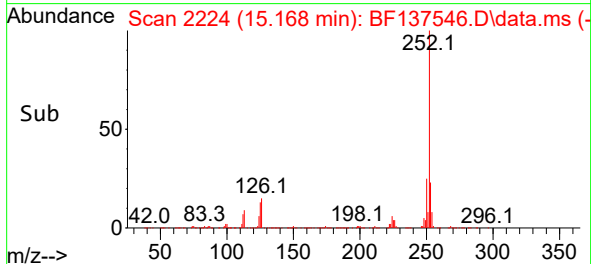
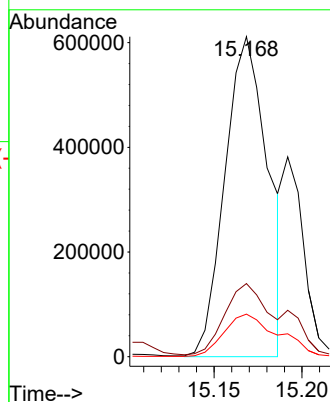
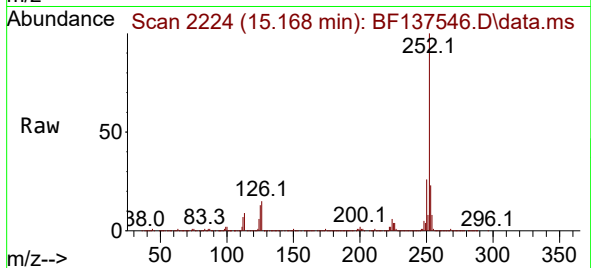
125 13.3 10.1 15.1

Manual Integrations

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Reviewed By :Yogesh Patel 03/09/2024

Supervised By :mohammad ahmed 03/09/2024



#89

Benzo(k)fluoranthene

Concen: 11.237 ng m

RT: 15.192 min Scan# 2228

Delta R.T. 0.000 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

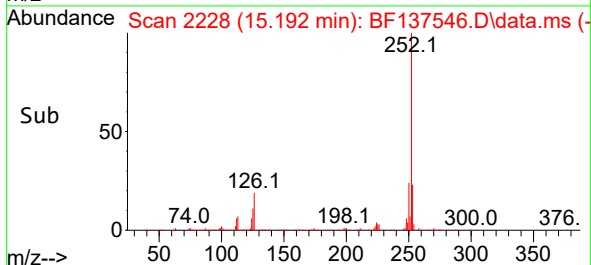
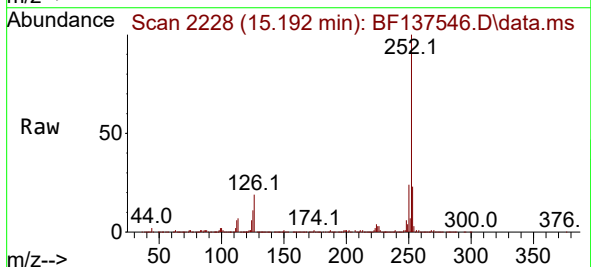
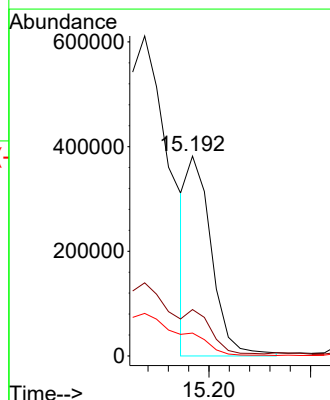
Tgt Ion:252 Resp: 316291

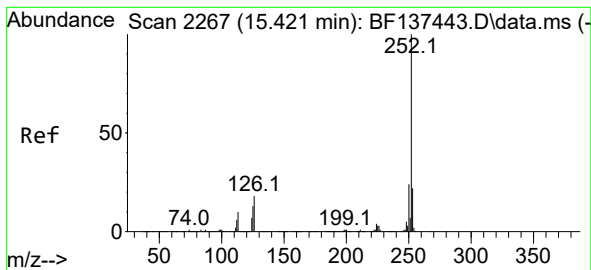
Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 11.4 9.6 14.4





#90

Benzo(a)pyrene

Concen: 30.741 ng

RT: 15.562 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

Tgt Ion:252 Resp: 79383

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

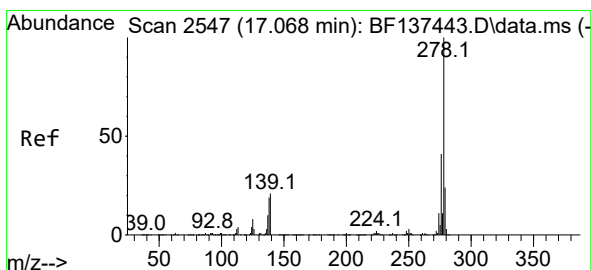
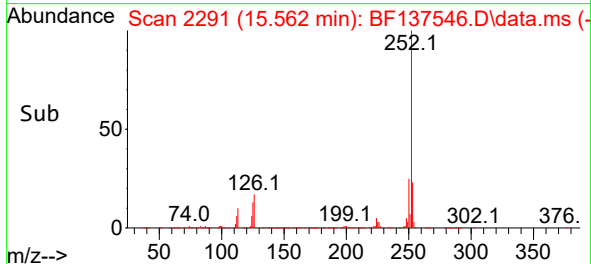
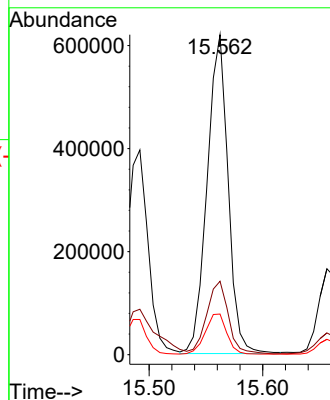
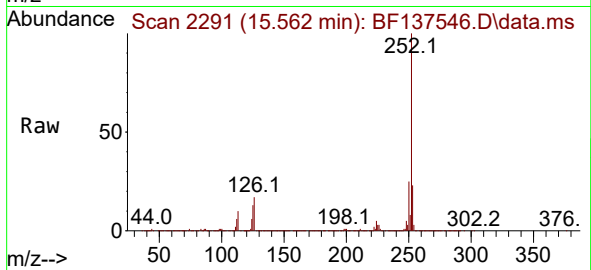
125 12.7 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/09/2024

Supervised By :mohammad ahmed 03/09/2024



#91

Dibenzo(a,h)anthracene

Concen: 3.960 ng m

RT: 17.256 min Scan# 2579

Delta R.T. -0.006 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

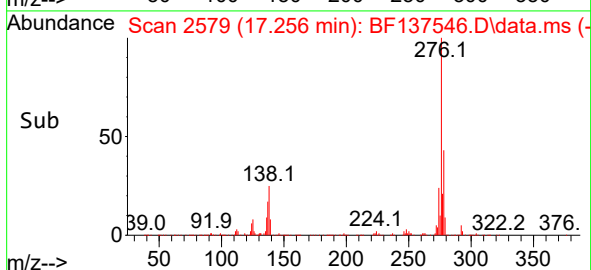
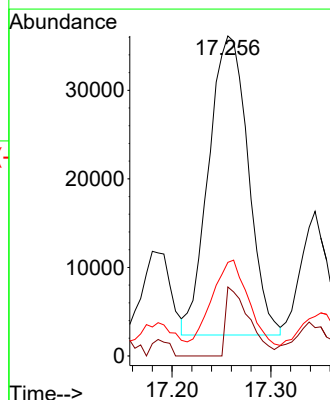
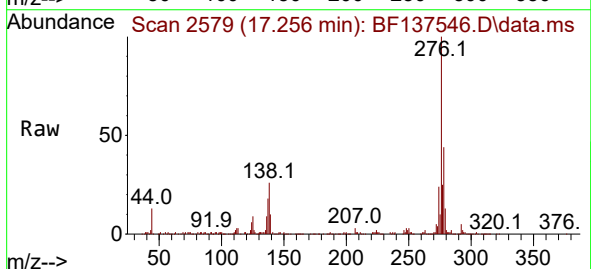
Tgt Ion:278 Resp: 93655

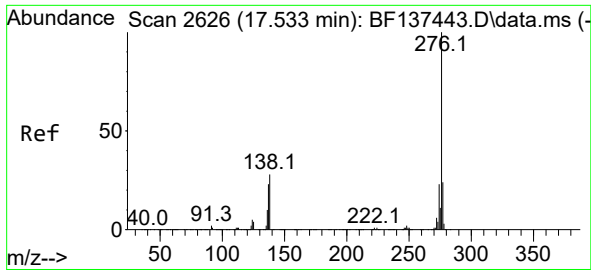
Ion Ratio Lower Upper

278 100

139 21.6 17.0 25.6

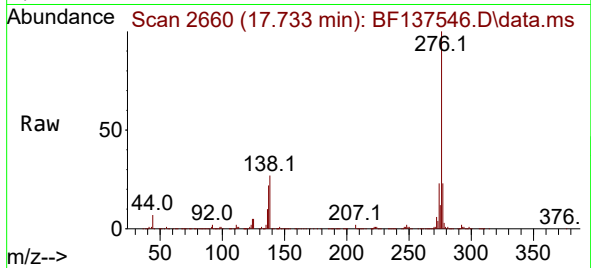
279 29.3 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 13.694 ng
RT: 17.733 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Instrument :
BNA_F
ClientSampleId :
COMP-1DL



Tgt Ion:276 Resp: 33258
Ion Ratio Lower Upper
276 100
277 23.4 19.0 28.4
138 27.2 22.2 33.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024

