

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030724\
 Data File : BF137537.D
 Acq On : 07 Mar 2024 18:50
 Operator : CG\JU
 Sample : P1688-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/08/2024
 Supervised By :mohammad ahmed 03/09/2024

Quant Time: Mar 08 00:32:45 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 00:31:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	193444	20.000	ng	0.02
21) Naphthalene-d8	8.151	136	744647	20.000	ng	0.01
39) Acenaphthene-d10	9.904	164	386533	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	554981	20.000	ng	0.01
76) Chrysene-d12	14.074	240	357937	20.000	ng	0.02
86) Perylene-d12	15.615	264	430257	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	1166640	91.340	ng	0.02
7) Phenol-d6	6.522	99	1581602	85.786	ng	0.01
23) Nitrobenzene-d5	7.433	82	939739	58.637	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	263794	77.714	ng	0.01
45) 2-Fluorobiphenyl	9.227	172	1494591	60.527	ng	0.00
79) Terphenyl-d14	13.004	244	1095794	42.098	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.939	154	118223	5.737	ng	98
55) Dibenzofuran	10.116	168	128564	4.096	ng	96
58) Fluorene	10.457	166	107787	4.472	ng	99
71) Phenanthrene	11.433	178	2581767	85.480	ng	98
72) Anthracene	11.480	178	696173	22.442	ng	98
73) Carbazole	11.639	167	56154	2.113	ng	98
75) Fluoranthene	12.633	202	2782263	94.241	ng	97
78) Pyrene	12.863	202	2548565	72.564	ng	99
81) Benzo(a)anthracene	14.062	228	1606673	64.043	ng	98
83) Chrysene	14.098	228	1484009m	58.528	ng	
87) Indeno(1,2,3-cd)pyrene	17.215	276	605217	21.375	ng	94
88) Benzo(b)fluoranthene	15.157	252	1898797m	74.605	ng	
89) Benzo(k)fluoranthene	15.186	252	648605m	23.726	ng	
90) Benzo(a)pyrene	15.551	252	1420994	56.656	ng	97
91) Dibenzo(a,h)anthracene	17.227	278	152433	6.637	ng	96
92) Benzo(g,h,i)perylene	17.703	276	545272	23.116	ng	99

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

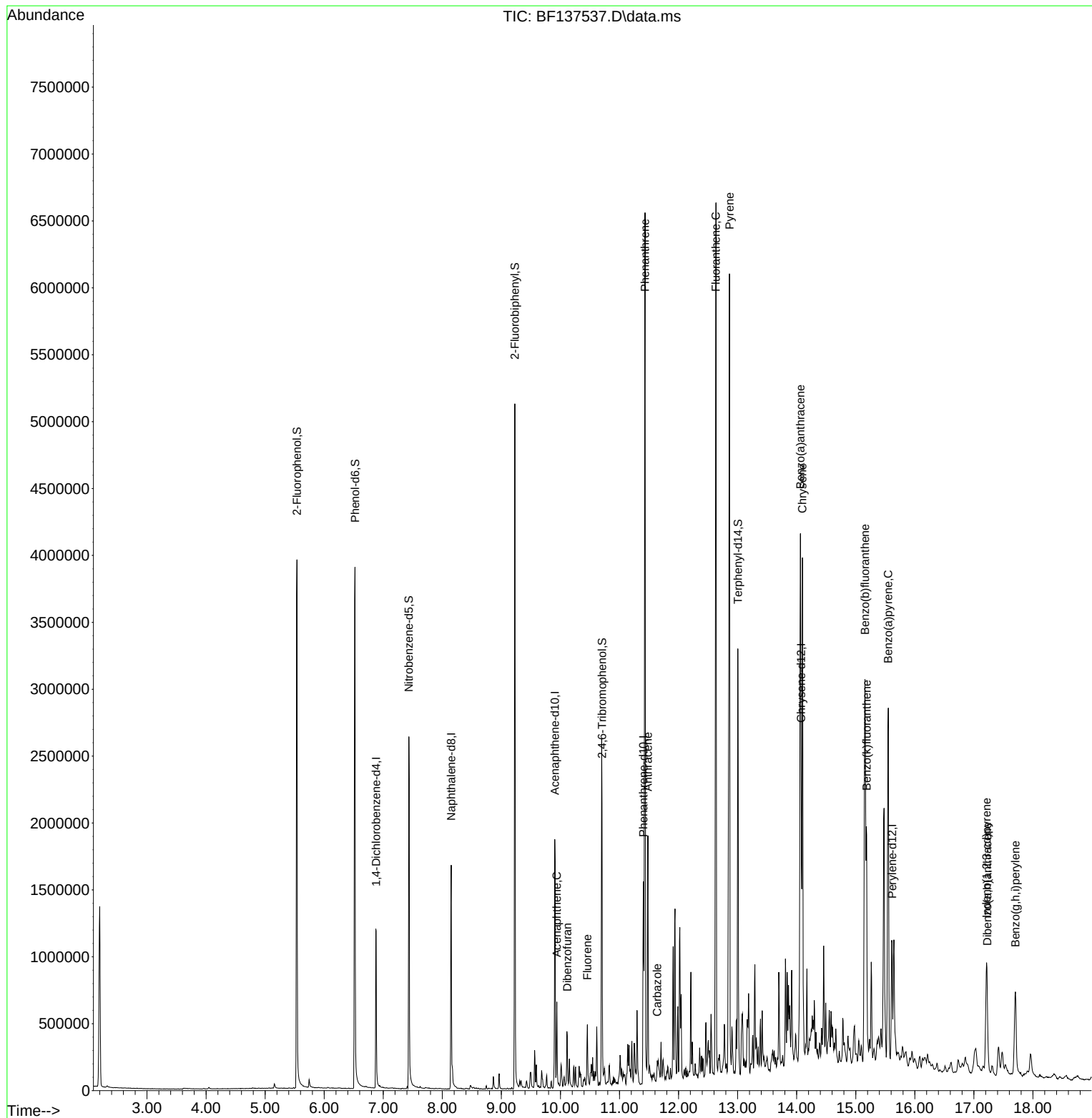
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030724\
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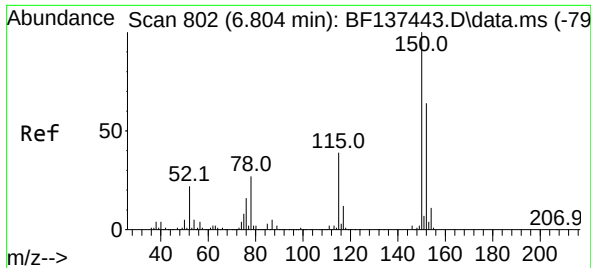
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
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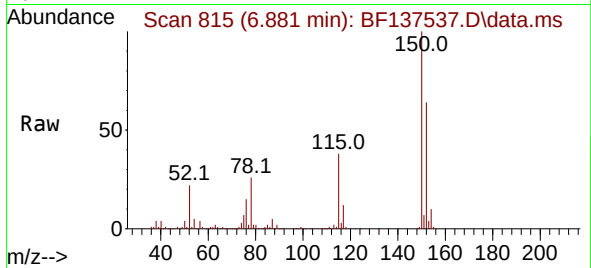
Reviewed By :Jagrut Upadhyay 03/08/2024
Supervised By :mohammad ahmed 03/09/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 815
Delta R.T. 0.018 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

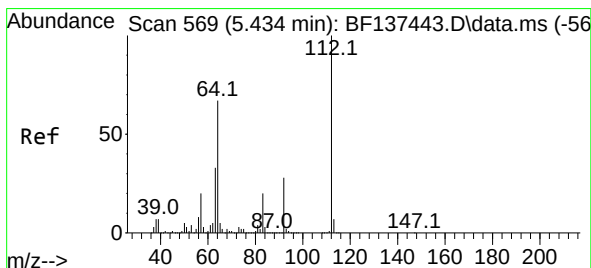
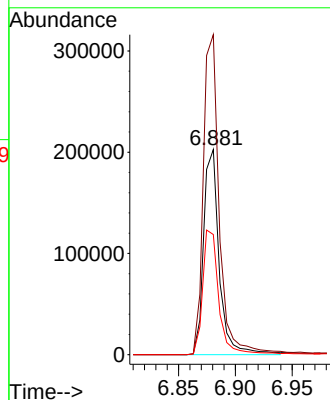
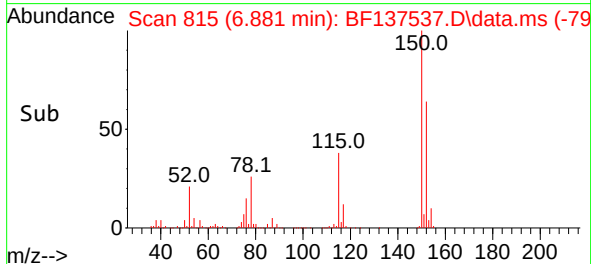
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:152 Resp: 19344
Ion Ratio Lower Upper
152 100
150 156.0 125.8 188.6
115 58.6 48.8 73.2

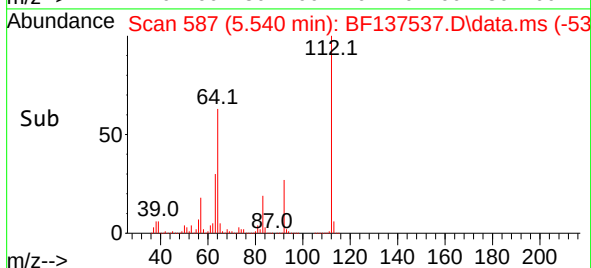
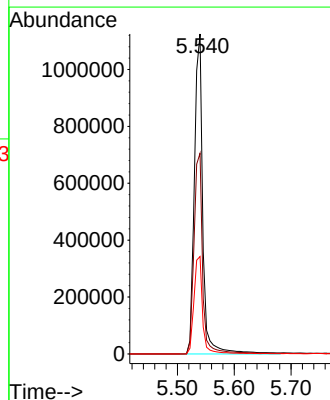
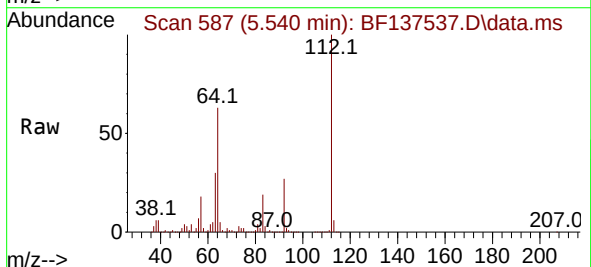
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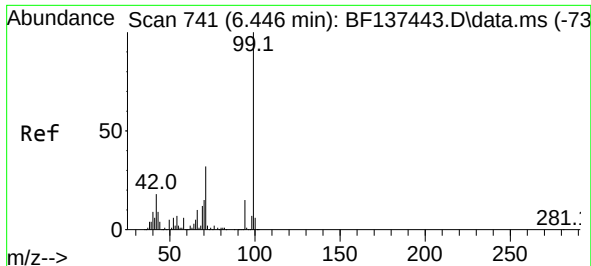
Reviewed By :Jagrut Upadhyay 03/08/2024
Supervised By :mohammad ahmed 03/09/2024



#5
2-Fluorophenol
Concen: 91.340 ng
RT: 5.540 min Scan# 587
Delta R.T. 0.024 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

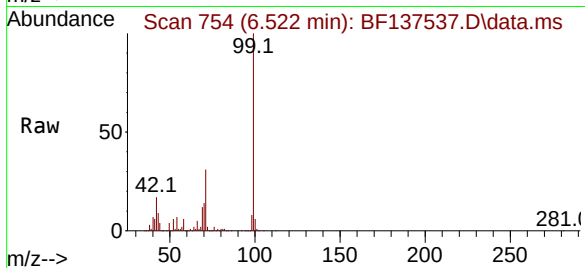
Tgt Ion:112 Resp: 1166640
Ion Ratio Lower Upper
112 100
64 62.7 53.4 80.2
63 30.5 26.2 39.2





#7
Phenol-d6
Concen: 85.786 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

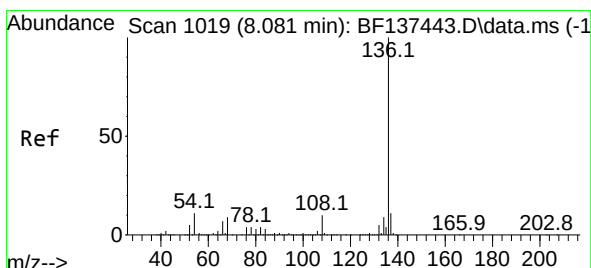
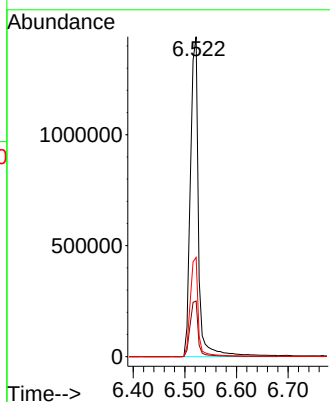
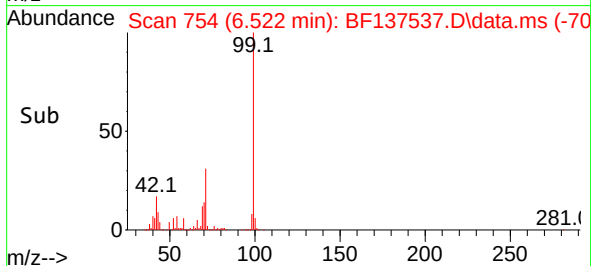
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion: 99 Resp: 158160
Ion Ratio Lower Upper
99 100
42 17.4 14.6 21.8
71 31.0 25.3 37.9

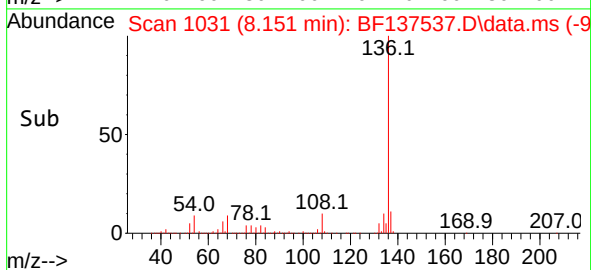
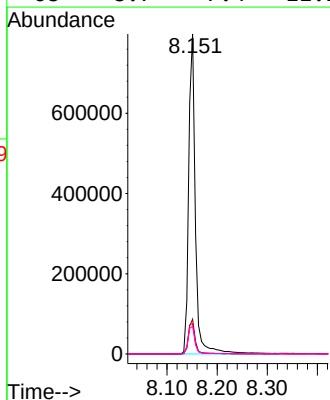
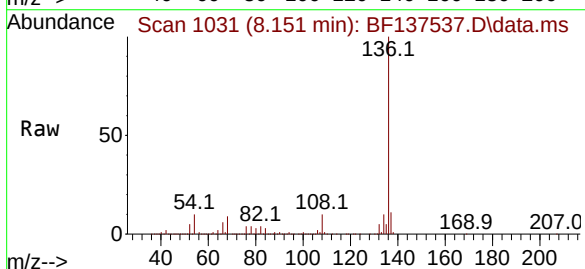
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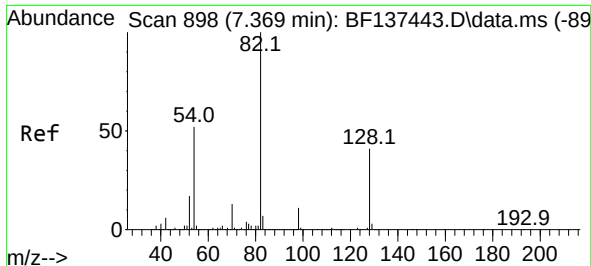
Reviewed By :Jagrut Upadhyay 03/08/2024
Supervised By :mohammad ahmed 03/09/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.012 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion:136 Resp: 744647
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 9.5 8.5 12.7
68 8.7 7.4 11.2





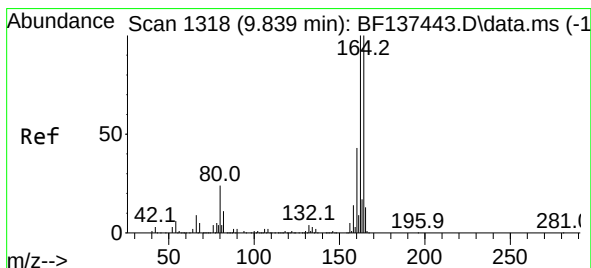
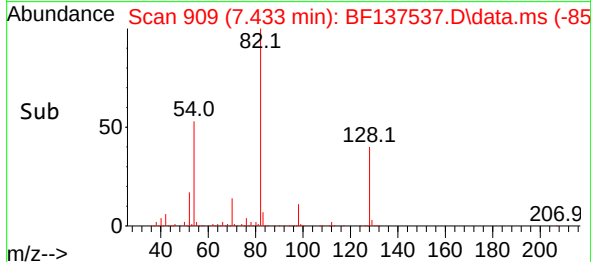
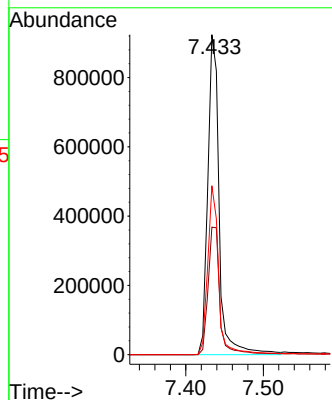
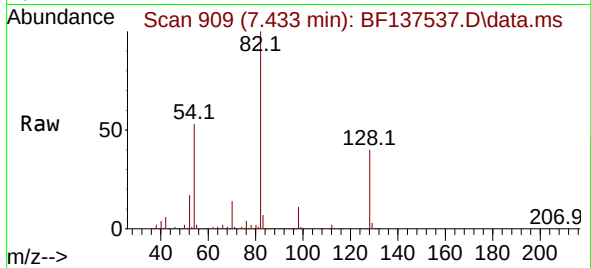
#23
Nitrobenzene-d5
Concen: 58.637 ng
RT: 7.433 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion: 82 Resp: 939739
Ion Ratio Lower Upper
82 100
128 39.8 32.5 48.7
54 52.8 41.5 62.3

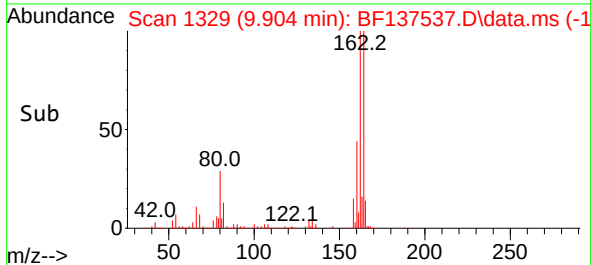
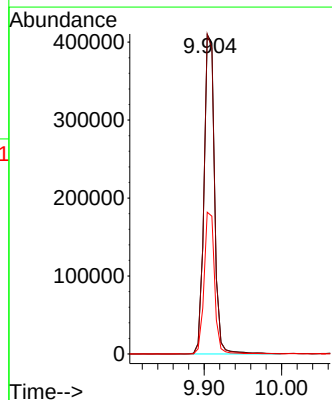
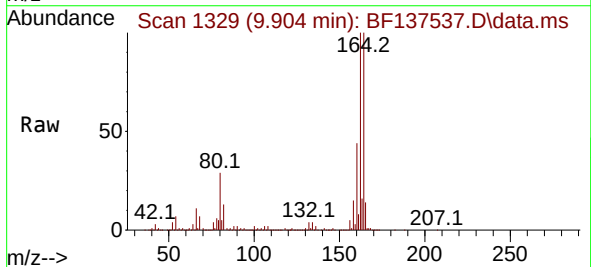
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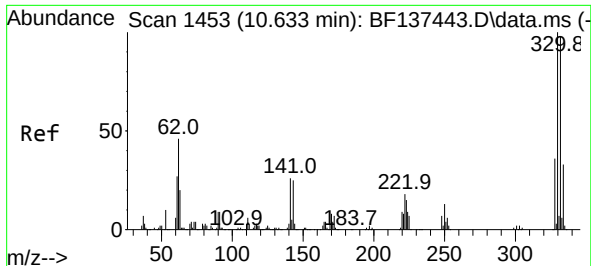
Reviewed By :Jagrut Upadhyay 03/08/2024
Supervised By :mohammad ahmed 03/09/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.006 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

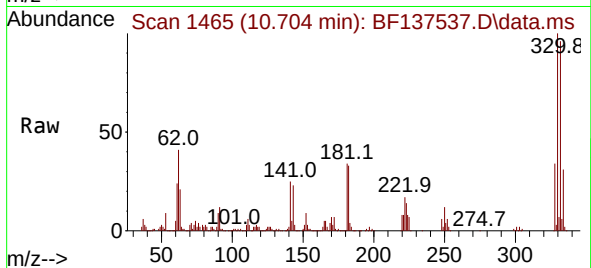
Tgt Ion:164 Resp: 386533
Ion Ratio Lower Upper
164 100
162 100.2 79.8 119.8
160 44.4 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 77.714 ng
RT: 10.704 min Scan# 1453
Delta R.T. 0.012 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

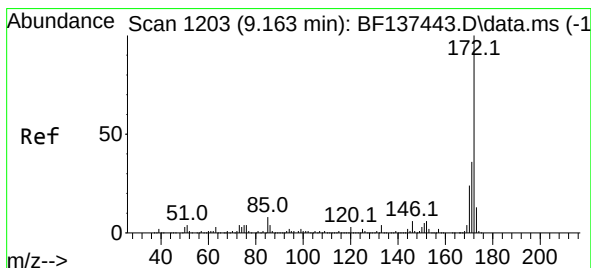
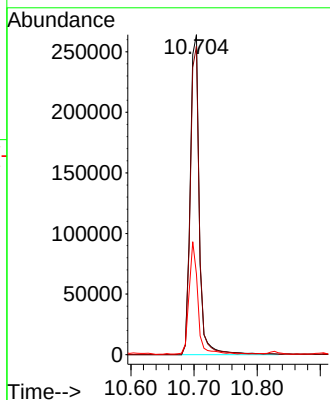
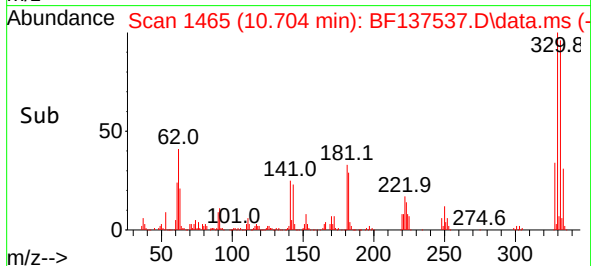
Instrument :
BNA_F
ClientSampleId :
COMP-1



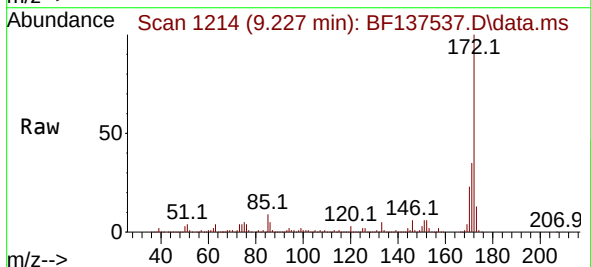
Tgt Ion: 330 Resp: 263794
Ion Ratio Lower Upper
330 100
332 96.6 78.0 117.0
141 34.2 27.3 40.9

Manual Integrations
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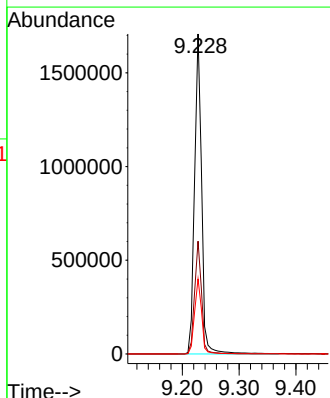
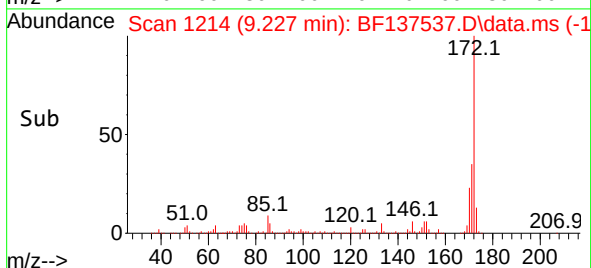
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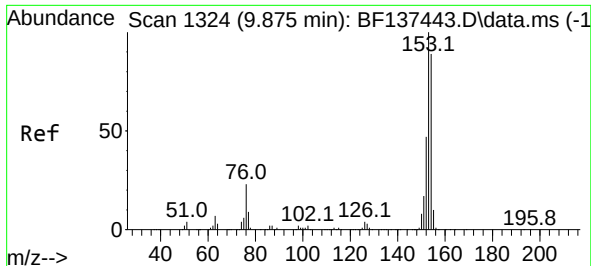


#45
2-Fluorobiphenyl
Concen: 60.527 ng
RT: 9.227 min Scan# 1214
Delta R.T. 0.006 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50



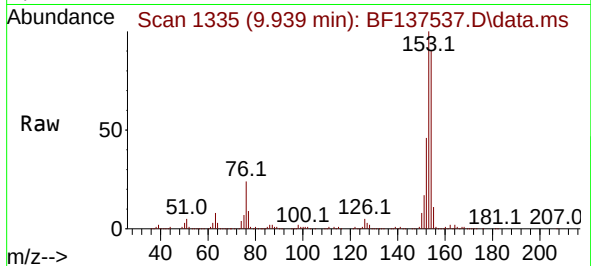
Tgt Ion: 172 Resp: 1494591
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.5 19.0 28.6





#52
Acenaphthene
Concen: 5.737 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

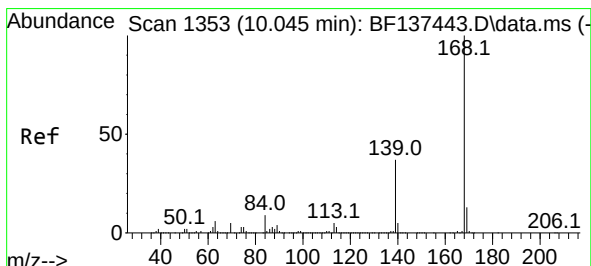
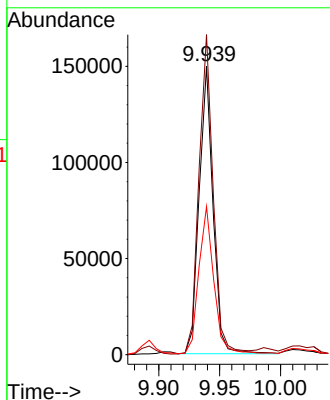
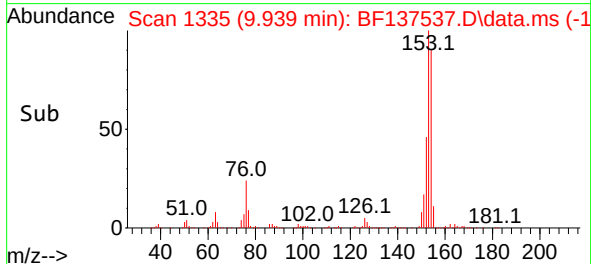
Instrument :
BNA_F
ClientSampleId :
COMP-1



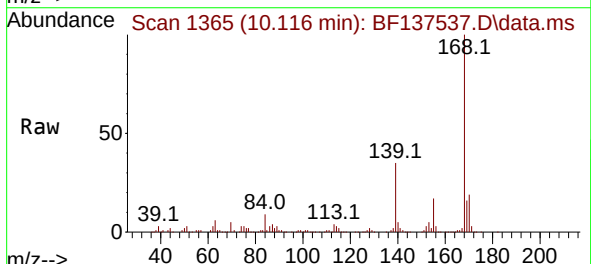
Tgt Ion:154 Resp: 11822
Ion Ratio Lower Upper
154 100
153 110.9 90.3 135.5
152 51.3 42.7 64.1

Manual Integrations
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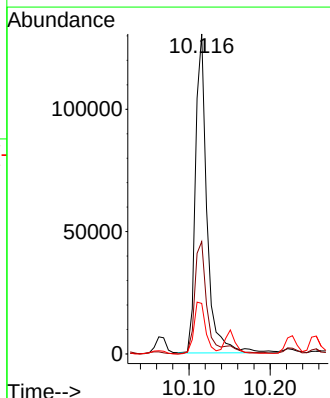
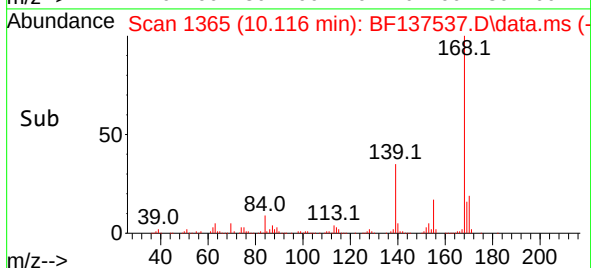
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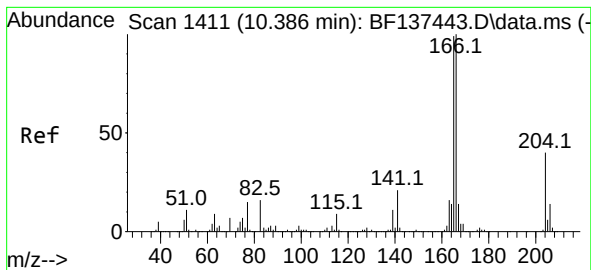


#55
Dibenzofuran
Concen: 4.096 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.012 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50



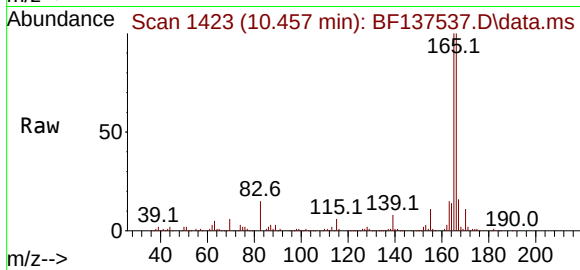
Tgt Ion:168 Resp: 128564
Ion Ratio Lower Upper
168 100
139 35.1 29.8 44.6
169 15.8 10.8 16.2





#58
Fluorene
Concen: 4.472 ng
RT: 10.457 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

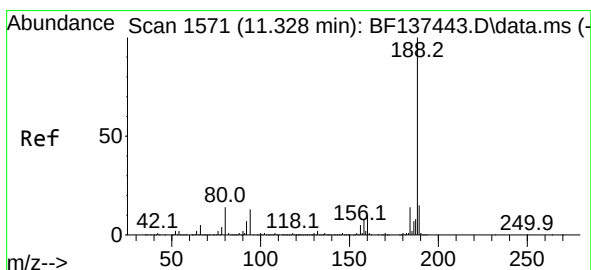
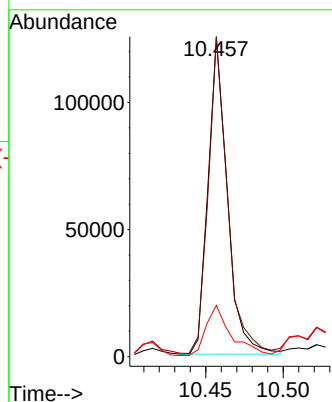
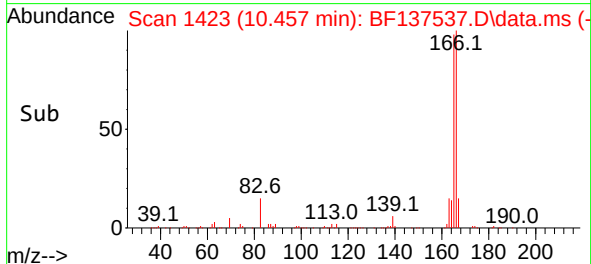
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:166 Resp: 10778
Ion Ratio Lower Upper
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165 99.8 79.2 118.8
167 16.0 11.0 16.6

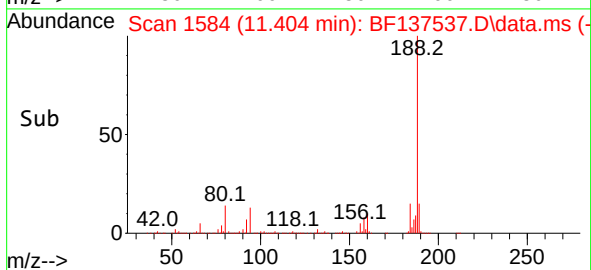
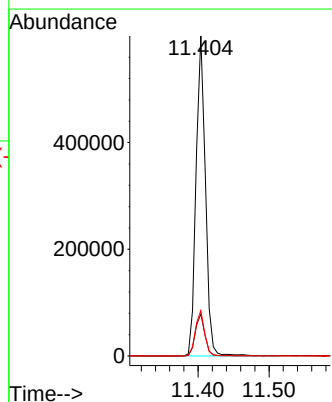
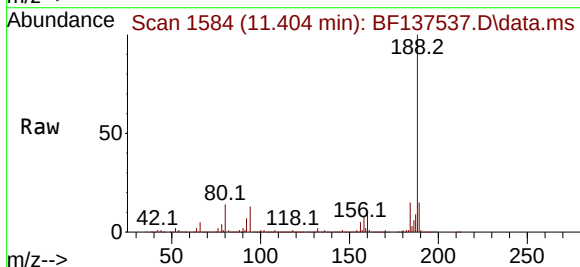
Manual Integrations
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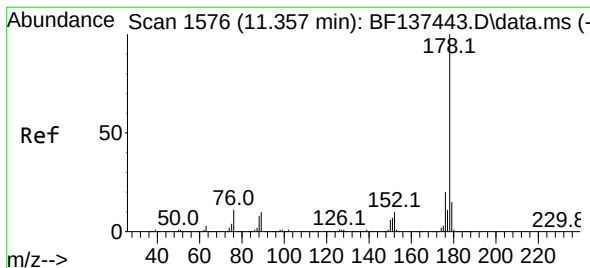
Reviewed By :Jagrut Upadhyay 03/08/2024
Supervised By :mohammad ahmed 03/09/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.012 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

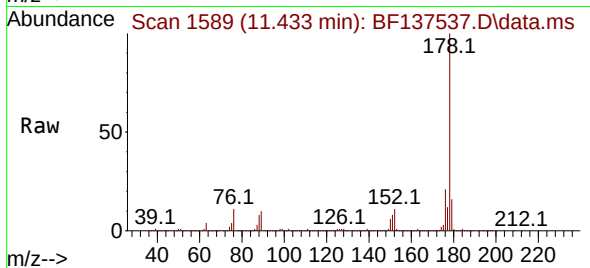
Tgt Ion:188 Resp: 554981
Ion Ratio Lower Upper
188 100
94 13.1 10.6 15.8
80 14.2 11.5 17.3





#71
Phenanthrene
Concen: 85.480 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.012 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

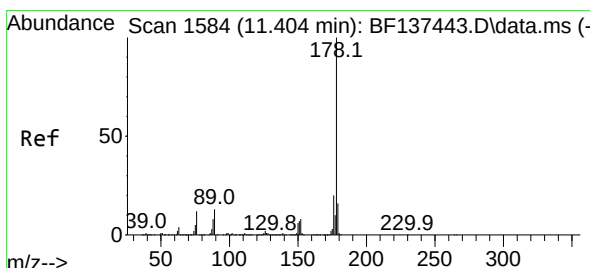
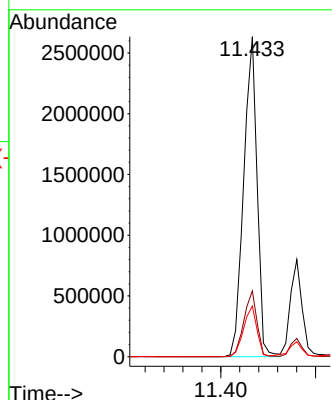
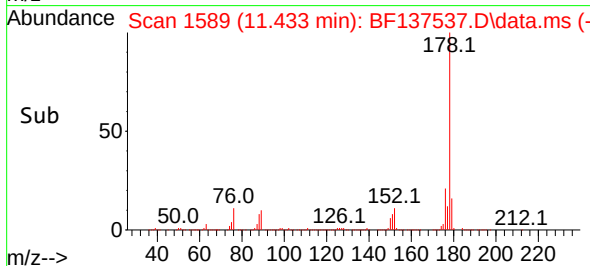
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:178 Resp: 258176
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.8
179 15.8 12.2 18.2

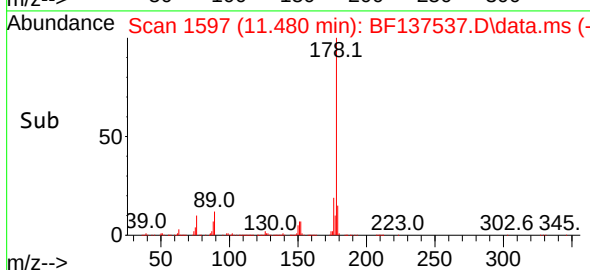
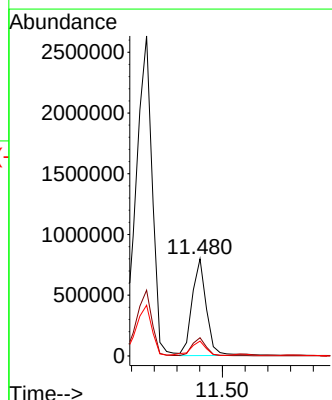
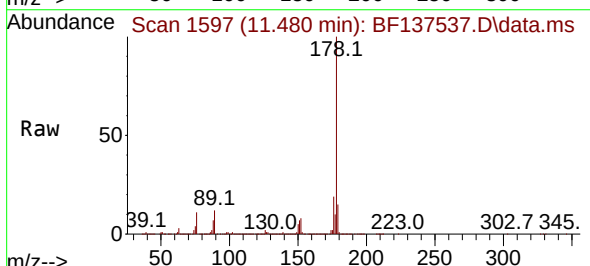
Manual Integrations
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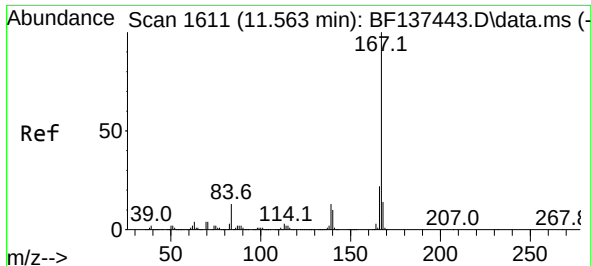
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Supervised By :mohammad ahmed 03/09/2024



#72
Anthracene
Concen: 22.442 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.006 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion:178 Resp: 696173
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.3 12.7 19.1





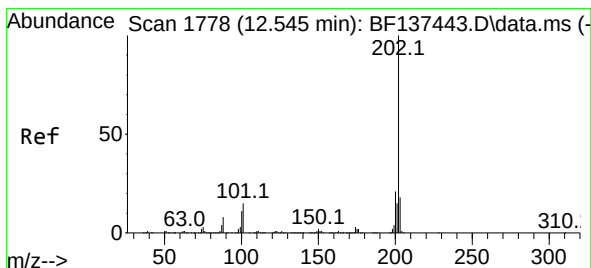
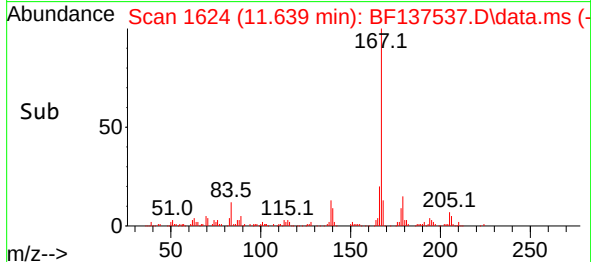
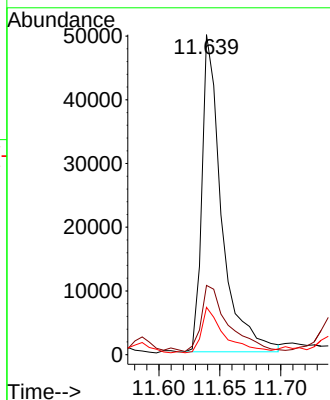
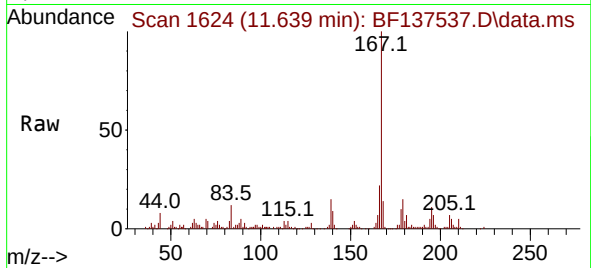
#73
 Carbazole
 Concen: 2.113 ng
 RT: 11.639 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: BF137537.D
 Acq: 07 Mar 2024 18:50

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Tgt Ion:167 Resp: 56154
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.8 26.8
 139 14.8 10.5 15.7

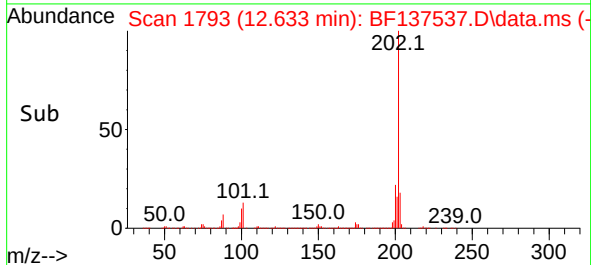
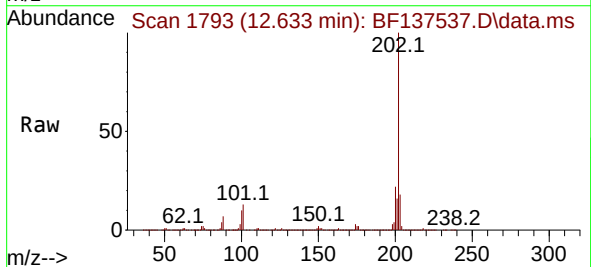
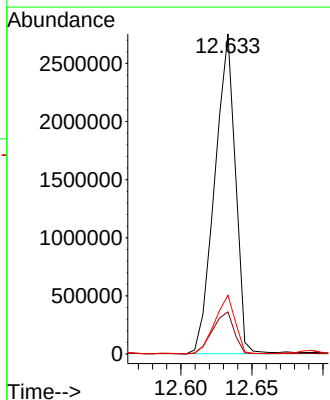
Manual Integrations
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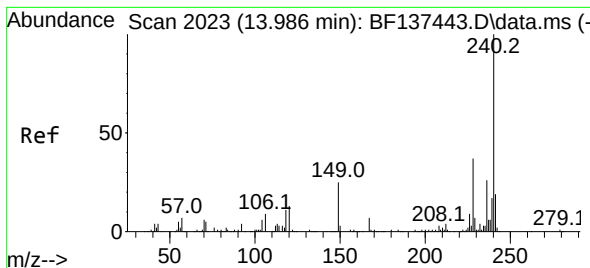
Reviewed By :Jagrut Upadhyay 03/08/2024
 Supervised By :mohammad ahmed 03/09/2024



#75
 Fluoranthene
 Concen: 94.241 ng
 RT: 12.633 min Scan# 1793
 Delta R.T. 0.018 min
 Lab File: BF137537.D
 Acq: 07 Mar 2024 18:50

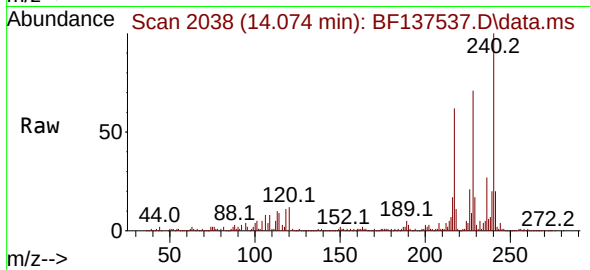
Tgt Ion:202 Resp: 2782263
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 35.0
 203 18.3 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2023
Delta R.T. 0.018 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

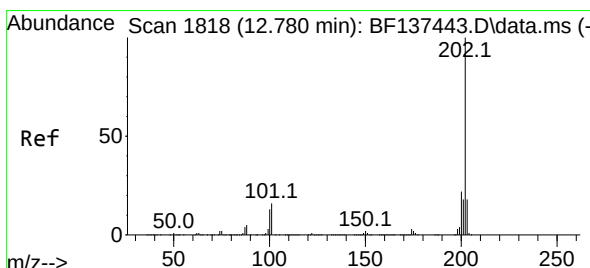
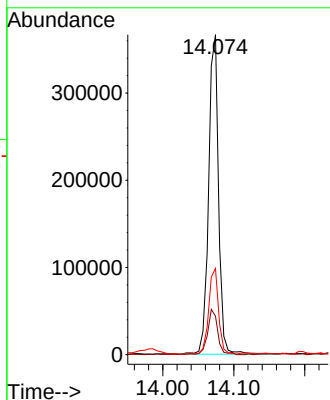
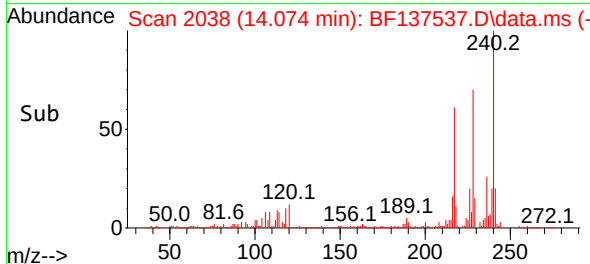
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:240 Resp: 35793
Ion Ratio Lower Upper
240 100
120 12.0 10.4 15.6
236 26.9 20.9 31.3

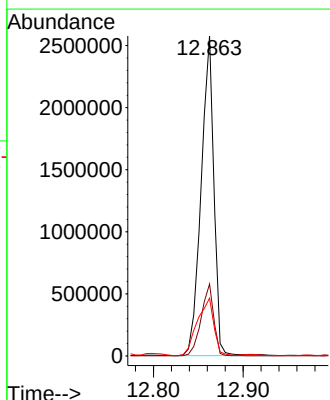
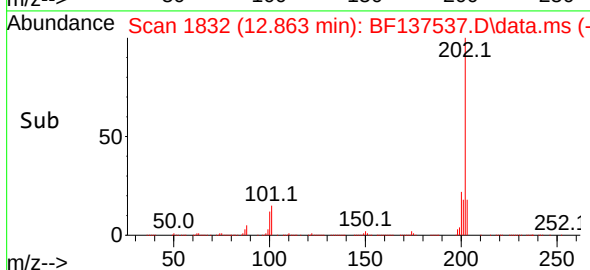
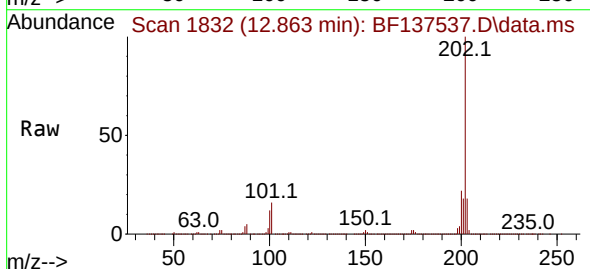
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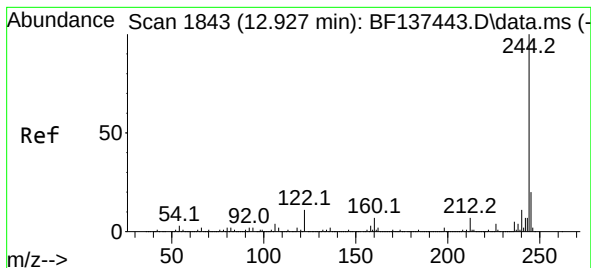
Reviewed By :Jagrut Upadhyay 03/08/2024
Supervised By :mohammad ahmed 03/09/2024



#78
Pyrene
Concen: 72.564 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.018 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion:202 Resp: 2548565
Ion Ratio Lower Upper
202 100
200 22.5 17.4 26.2
203 18.1 14.1 21.1





#79

Terphenyl-d14

Concen: 42.098 ng

RT: 13.004 min Scan# 1843

Delta R.T. 0.006 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:244 Resp: 1095794

Ion Ratio Lower Upper

244 100

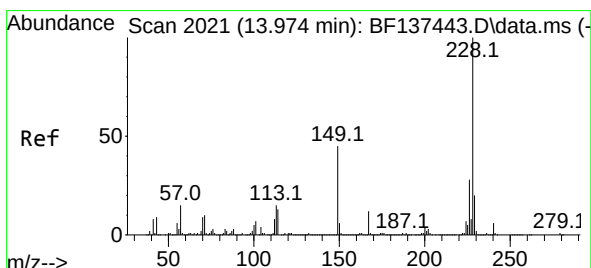
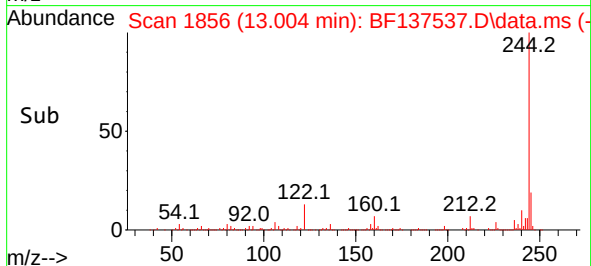
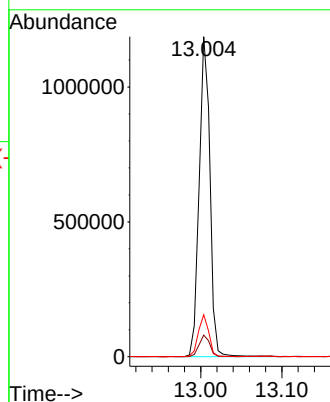
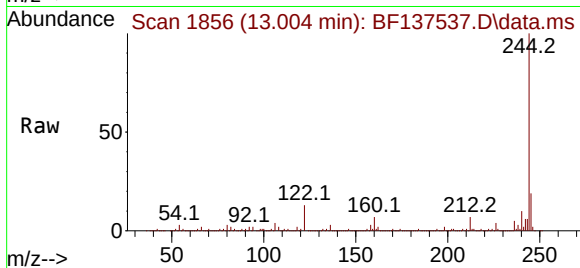
212 6.7 5.4 8.2

122 13.1 9.1 13.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/08/2024
Supervised By :mohammad ahmed 03/09/2024



#81

Benzo(a)anthracene

Concen: 64.043 ng

RT: 14.062 min Scan# 2036

Delta R.T. 0.018 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

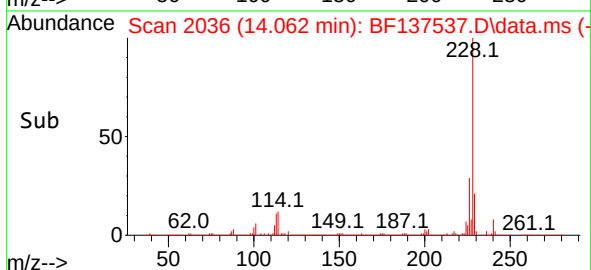
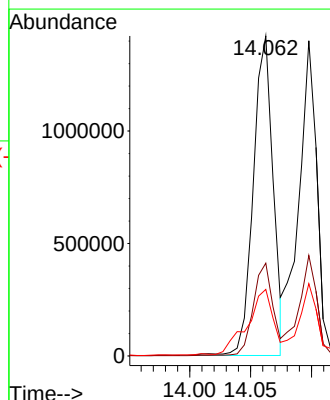
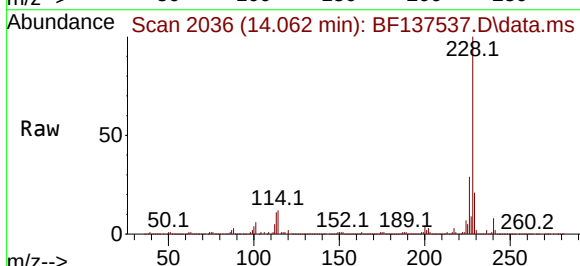
Tgt Ion:228 Resp: 1606673

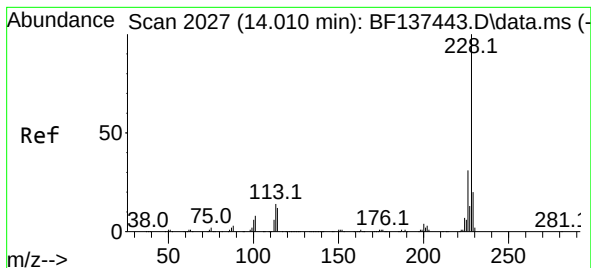
Ion Ratio Lower Upper

228 100

226 29.0 22.3 33.5

229 20.8 16.3 24.5





#83

Chrysene

Concen: 58.528 ng m

RT: 14.098 min Scan# 2042

Delta R.T. 0.012 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:228 Resp: 1484009

Ion Ratio Lower Upper

228 100

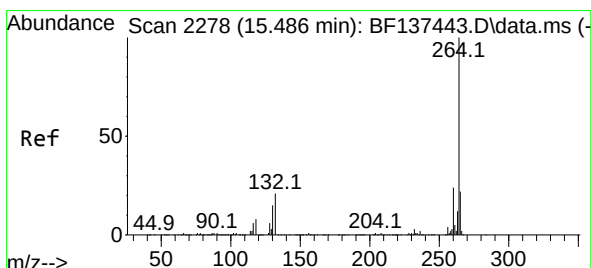
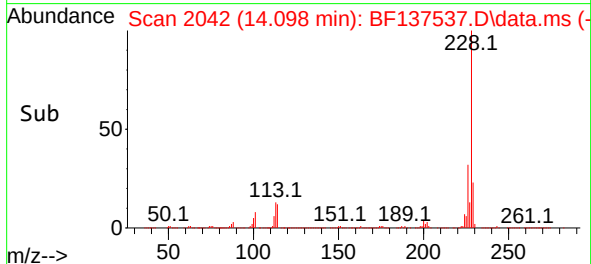
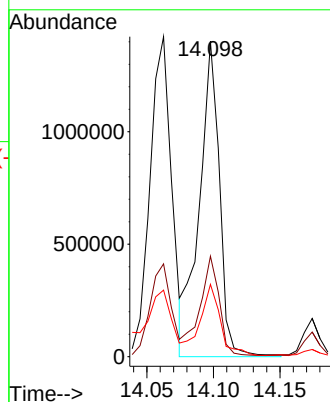
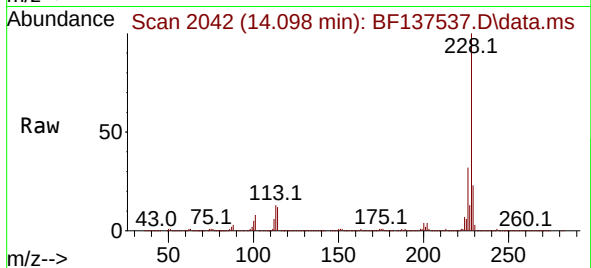
226 31.9 24.7 37.1

229 23.0 15.9 23.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/08/2024
Supervised By :mohammad ahmed 03/09/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.615 min Scan# 2300

Delta R.T. 0.029 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

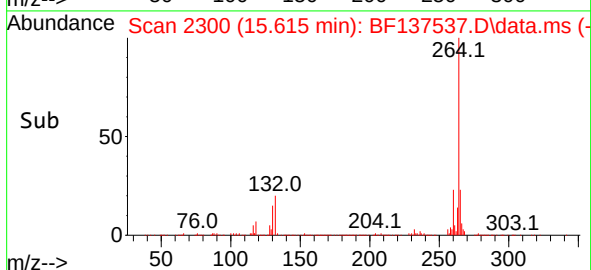
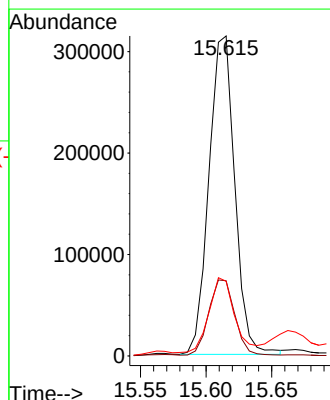
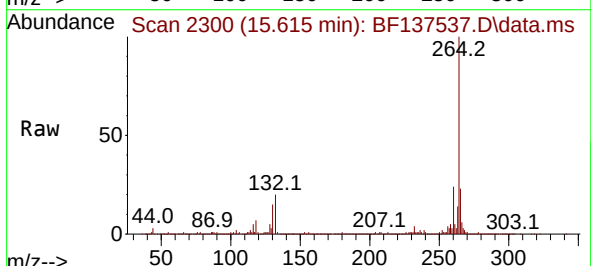
Tgt Ion:264 Resp: 430257

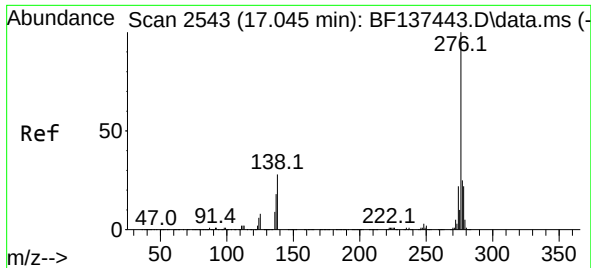
Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

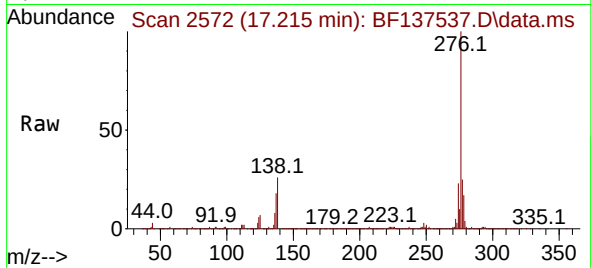
265 23.4 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 21.375 ng
RT: 17.215 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

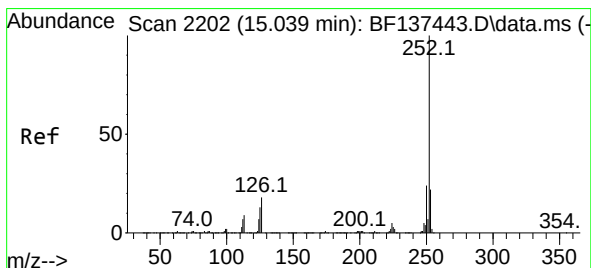
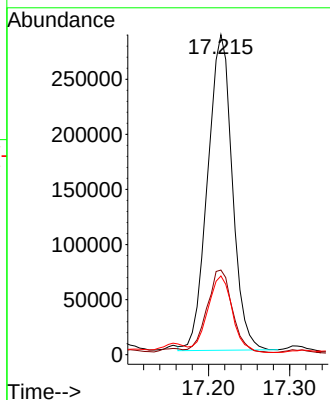
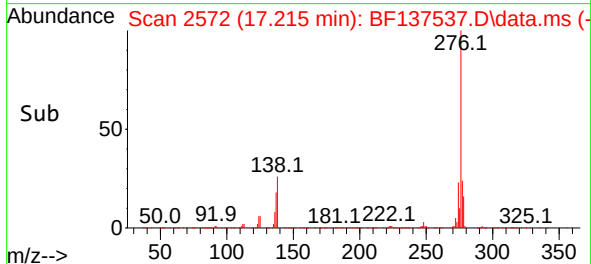
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:276 Resp: 60521
Ion Ratio Lower Upper
276 100
138 26.8 25.8 38.8
277 24.5 20.2 30.2

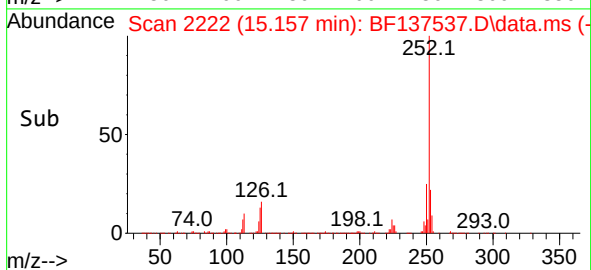
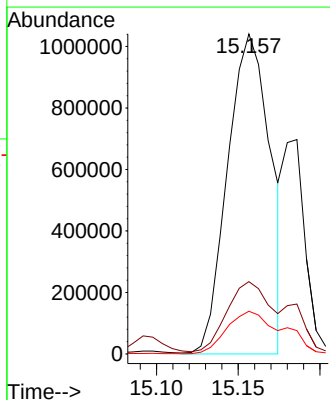
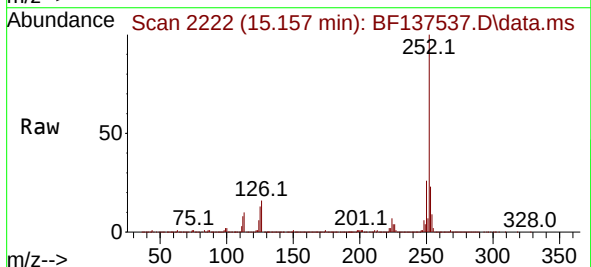
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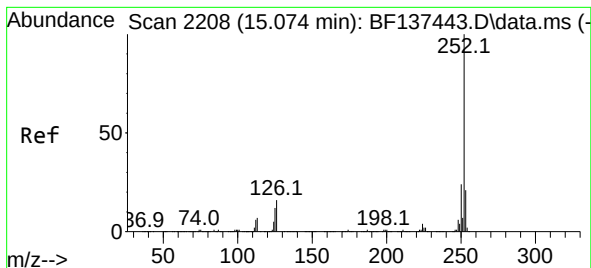
Reviewed By :Jagrut Upadhyay 03/08/2024
Supervised By :mohammad ahmed 03/09/2024



#88
Benzo(b)fluoranthene
Concen: 74.605 ng m
RT: 15.157 min Scan# 2222
Delta R.T. 0.024 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion:252 Resp: 1898797
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 13.4 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 23.726 ng m

RT: 15.186 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:252 Resp: 64860

Ion Ratio Lower Upper

252 100

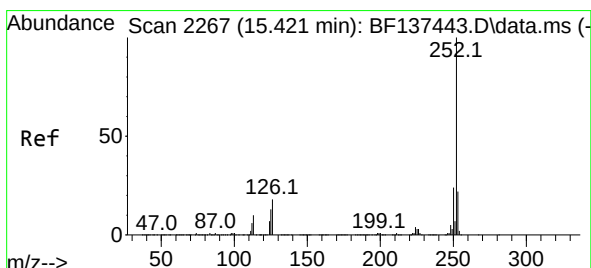
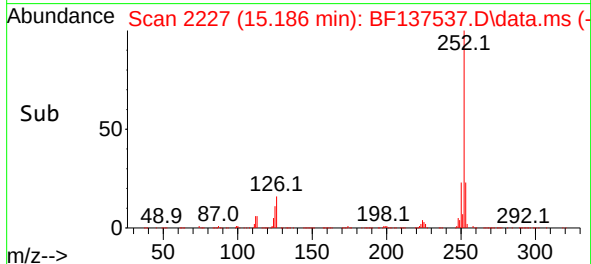
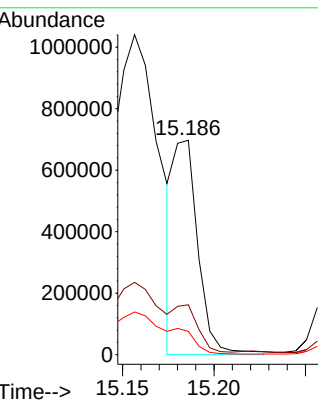
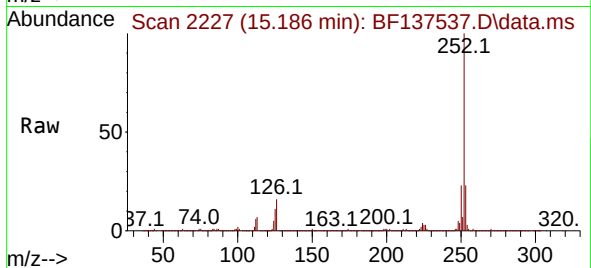
253 23.3 17.3 25.9

125 10.9 9.6 14.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/08/2024
Supervised By :mohammad ahmed 03/09/2024



#90

Benzo(a)pyrene

Concen: 56.656 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.029 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

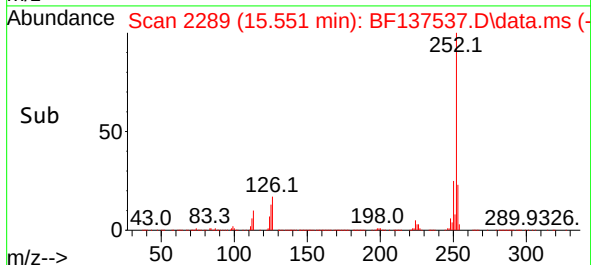
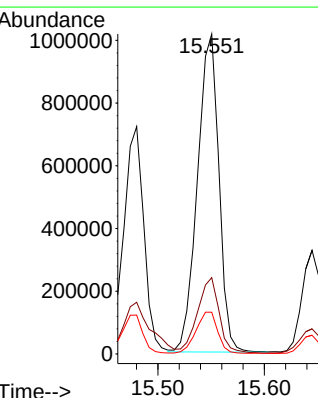
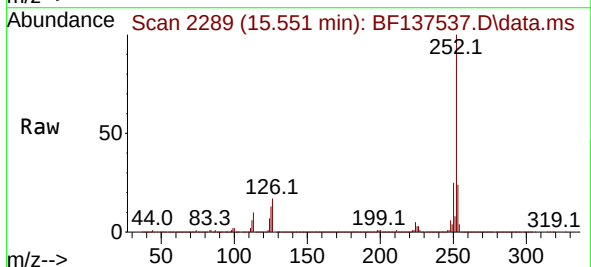
Tgt Ion:252 Resp: 1420994

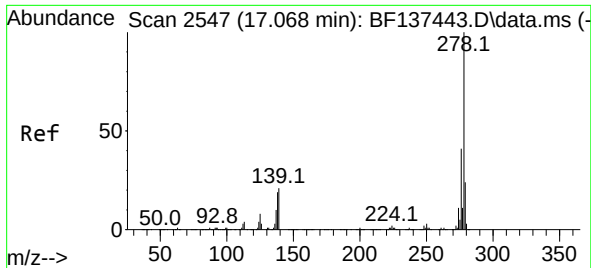
Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

125 13.1 10.4 15.6





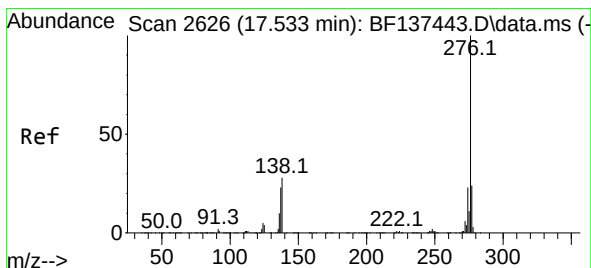
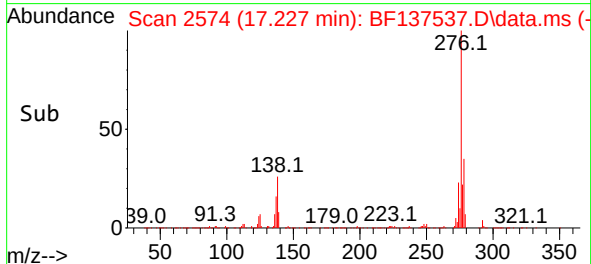
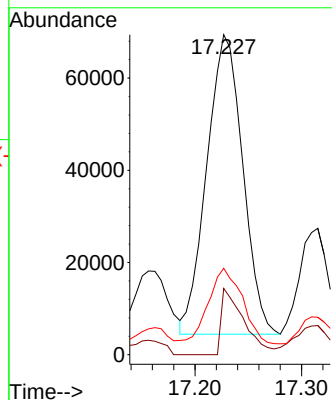
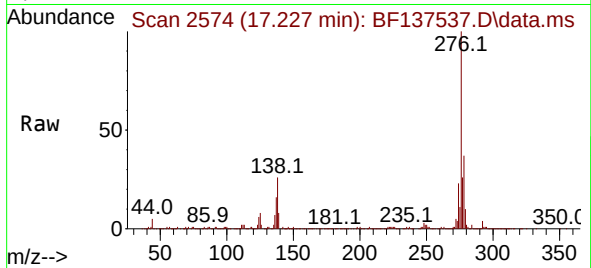
#91
Dibenzo(a,h)anthracene
Concen: 6.637 ng
RT: 17.227 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:278 Resp: 15243
Ion Ratio Lower Upper
278 100
139 20.7 17.0 25.6
279 27.0 18.8 28.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/08/2024
Supervised By :mohammad ahmed 03/09/2024



#92
Benzo(g,h,i)perylene
Concen: 23.116 ng
RT: 17.703 min Scan# 2655
Delta R.T. 0.029 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion:276 Resp: 545272
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.4
138 27.2 22.2 33.2

