

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010824\
 Data File : BF137007.D
 Acq On : 08 Jan 2024 21:37
 Operator : CG\JU
 Sample : P1056-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-311P-0-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/09/2024
 Supervised By :mohammad ahmed 01/09/2024

Quant Time: Jan 09 00:44:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	57628	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	205864	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	90320	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	138877	20.000	ng	0.00
76) Chrysene-d12	13.969	240	117542	20.000	ng	0.00
86) Perylene-d12	15.457	264	106071	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	293433	79.447	ng	0.00
7) Phenol-d6	6.434	99	353168	73.795	ng	0.00
23) Nitrobenzene-d5	7.345	82	213304	53.020	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	69019	64.885	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	387852	57.756	ng	-0.02
79) Terphenyl-d14	12.904	244	297351	35.352	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.845	154	16509	3.024	ng	99
58) Fluorene	10.363	166	26828	4.086	ng	95
71) Phenanthrene	11.333	178	449689	63.106	ng	99
72) Anthracene	11.386	178	96071	13.312	ng	99
73) Carbazole	11.551	167	17208	2.529	ng	98
75) Fluoranthene	12.533	202	599086	78.597	ng	97
78) Pyrene	12.763	202	599444	51.951	ng	99
81) Benzo(a)anthracene	13.963	228	290150	35.549	ng	97
83) Chrysene	13.998	228	268143	33.595	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	80736	10.542	ng	95
88) Benzo(b)fluoranthene	15.021	252	243081m	34.311	ng	
89) Benzo(k)fluoranthene	15.045	252	78922m	11.789	ng	
90) Benzo(a)pyrene	15.392	252	174064	29.107	ng	98
91) Dibenzo(a,h)anthracene	16.980	278	21783m	3.467	ng	
92) Benzo(g,h,i)perylene	17.433	276	75330	11.706	ng	94

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

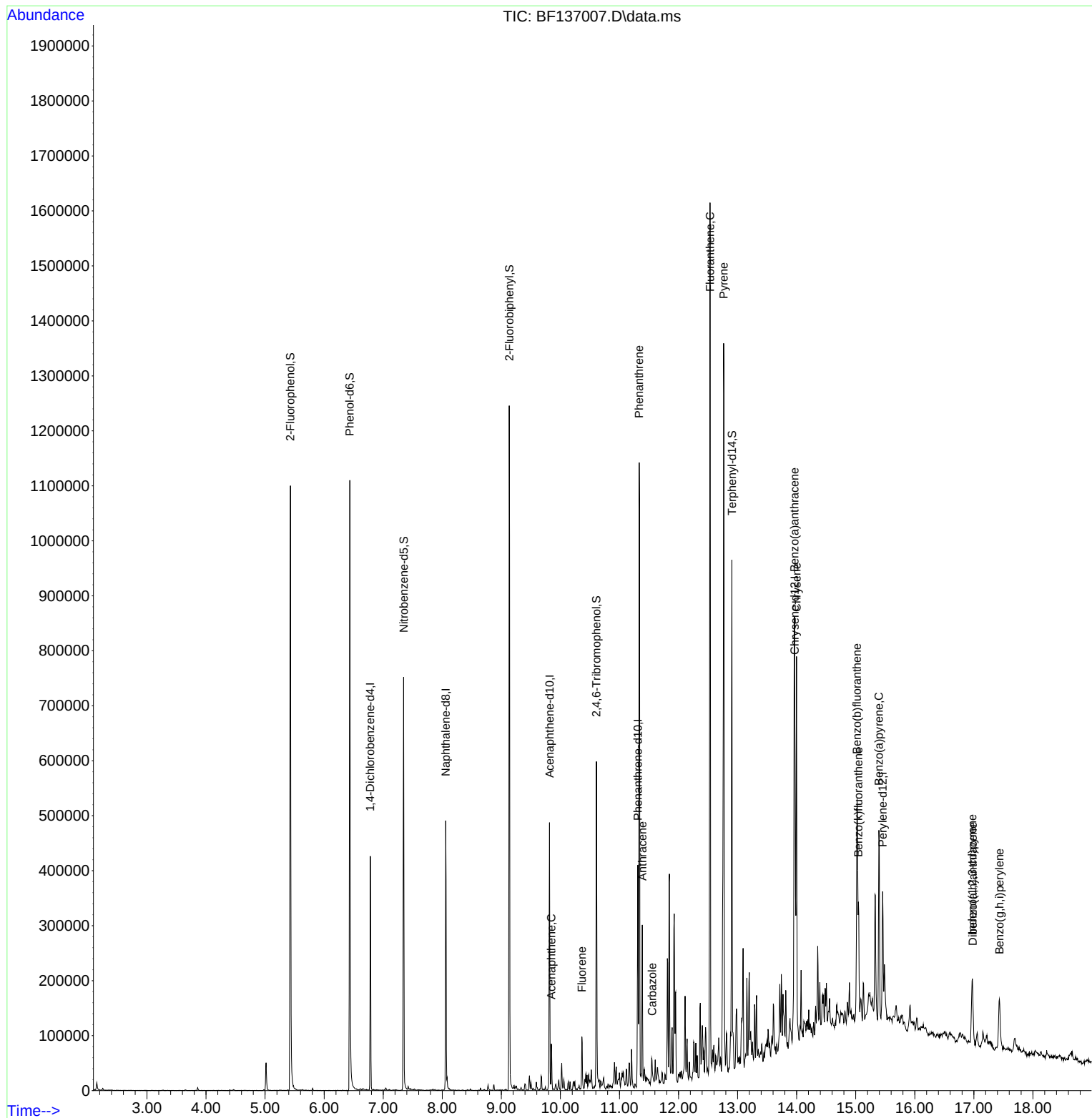
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Data File : BF137007.D
Acq On : 08 Jan 2024 21:37
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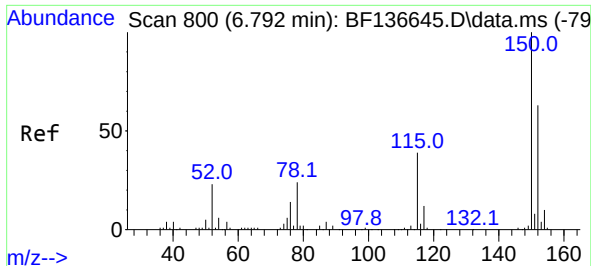
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

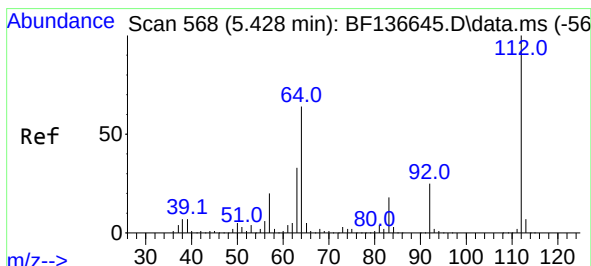
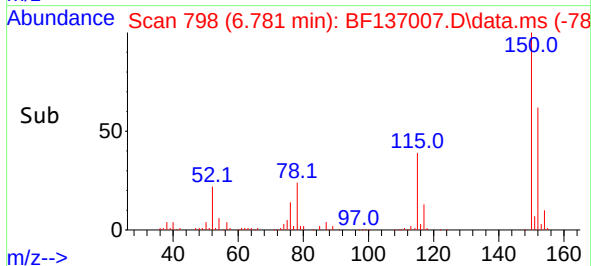
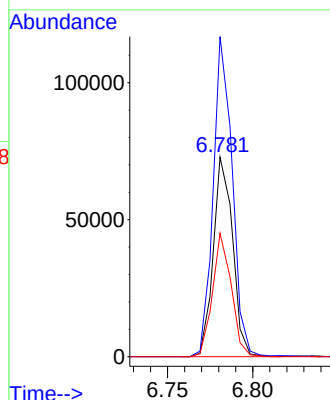
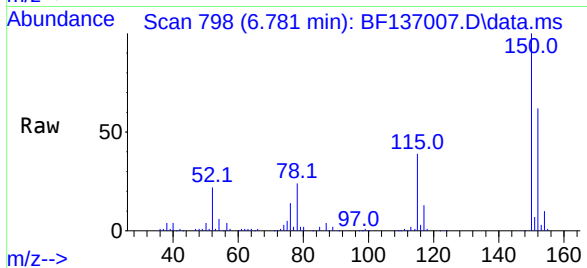
MR-311P-0-2

Tgt Ion:152 Resp: 57628
Ion Ratio Lower Upper
152 100
150 160.4 127.0 190.6
115 61.9 49.0 73.4

Manual Integrations

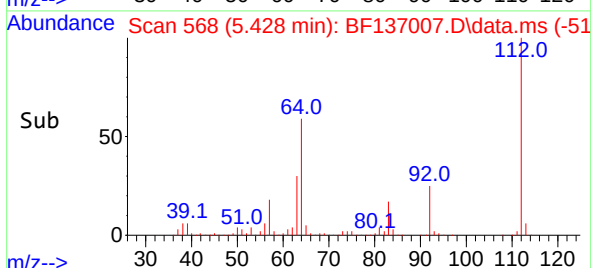
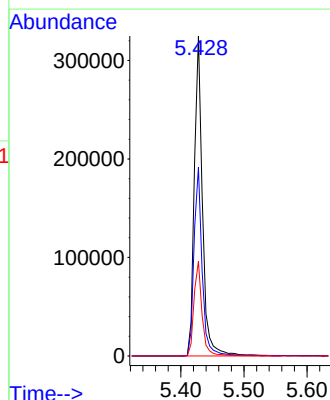
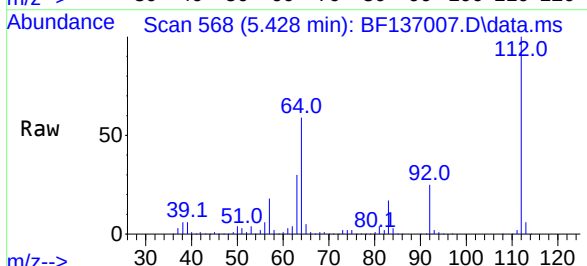
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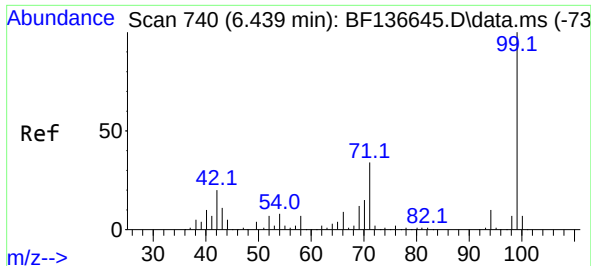
Reviewed By :Yogesh Patel 01/09/2024
Supervised By :mohammad ahmed 01/09/2024



#5
2-Fluorophenol
Concen: 79.447 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Tgt Ion:112 Resp: 293433
Ion Ratio Lower Upper
112 100
64 59.0 51.1 76.7
63 29.6 26.1 39.1





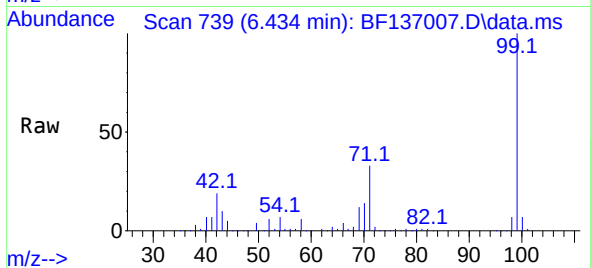
#7
Phenol-d6
Concen: 73.795 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

MR-311P-0-2

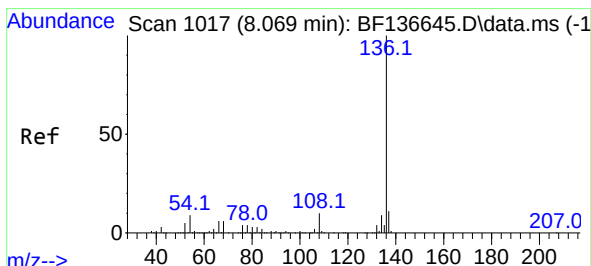
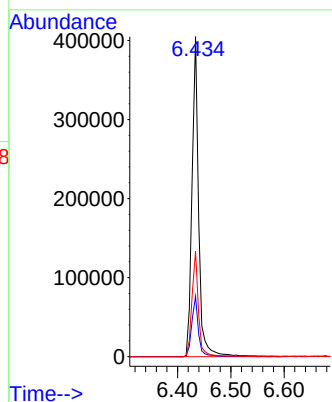
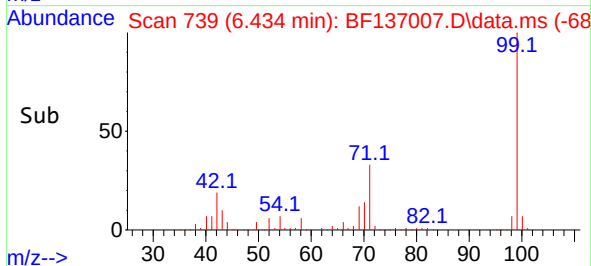


Tgt Ion: 99 Resp: 353168
Ion Ratio Lower Upper
99 100
42 18.9 16.1 24.1
71 32.9 27.4 41.2

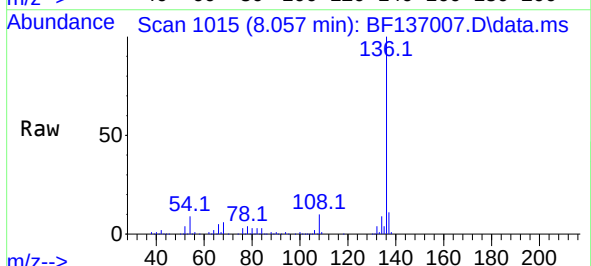
Manual Integrations

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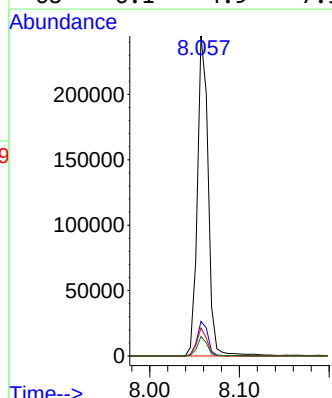
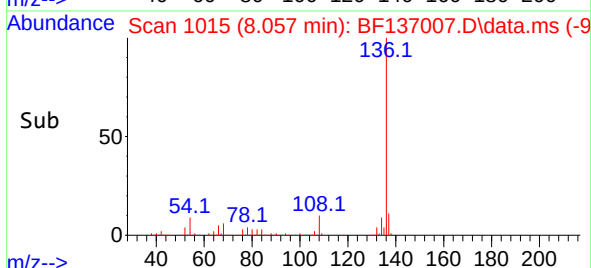
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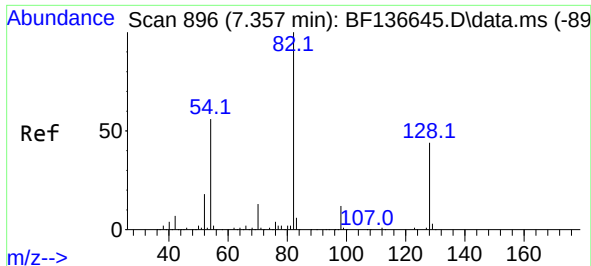


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37



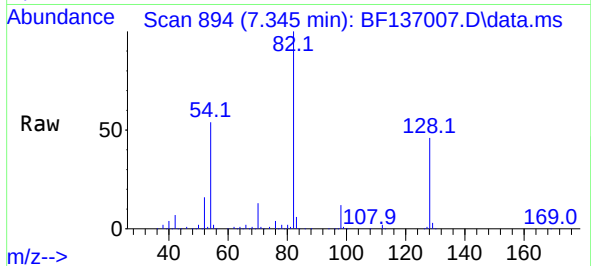
Tgt Ion:136 Resp: 205864
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.7 7.2 10.8
68 6.1 4.9 7.3





#23
Nitrobenzene-d5
Concen: 53.020 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

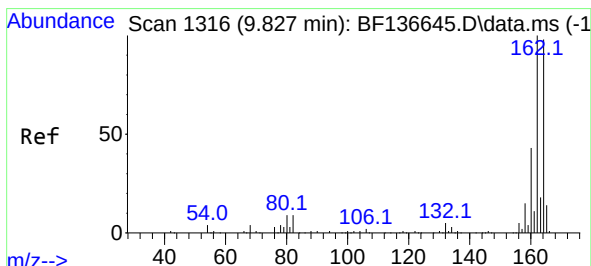
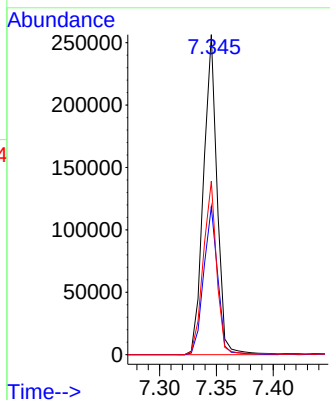
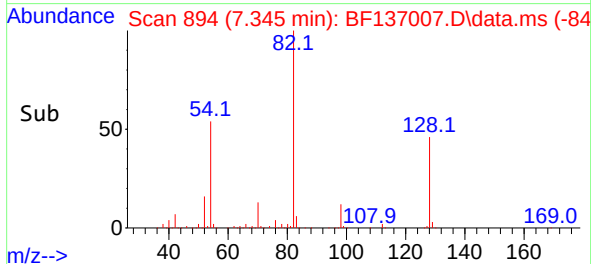
Instrument :
BNA_F
ClientSampleId :
MR-311P-0-2



Tgt Ion: 82 Resp: 213304
Ion Ratio Lower Upper
82 100
128 46.3 35.3 52.9
54 54.2 44.5 66.7

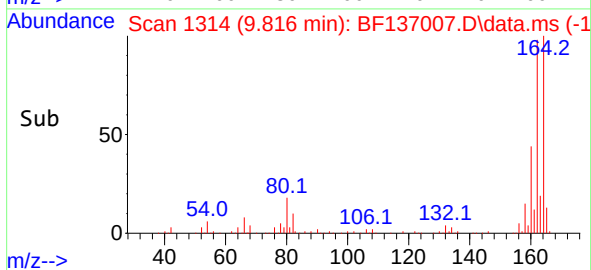
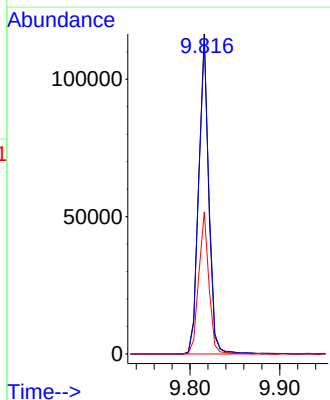
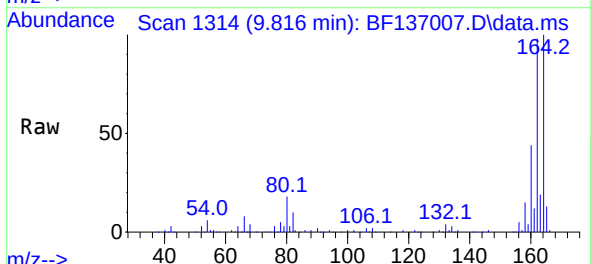
Manual Integrations
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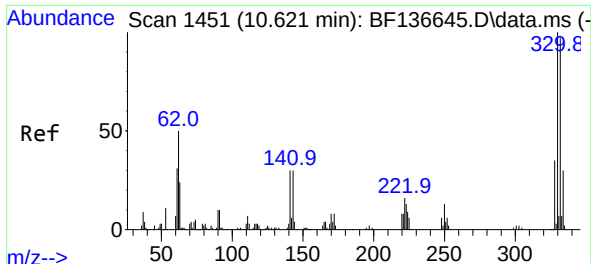
Reviewed By :Yogesh Patel 01/09/2024
Supervised By :mohammad ahmed 01/09/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Tgt Ion:164 Resp: 90320
Ion Ratio Lower Upper
164 100
162 98.1 81.6 122.4
160 44.4 34.9 52.3





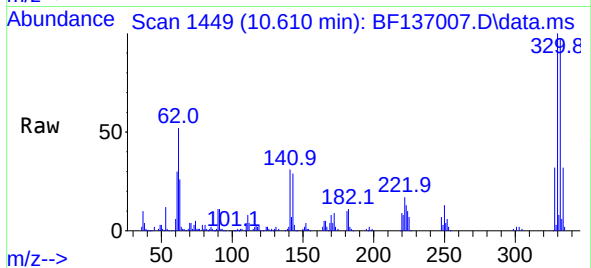
#42
2,4,6-Tribromophenol
Concen: 64.885 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

MR-311P-0-2



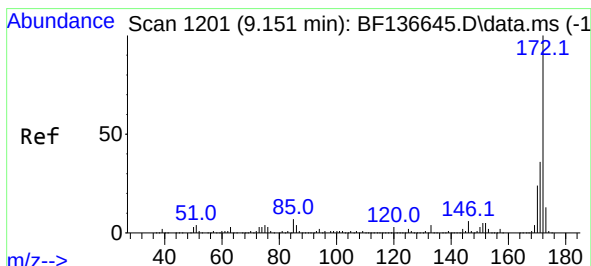
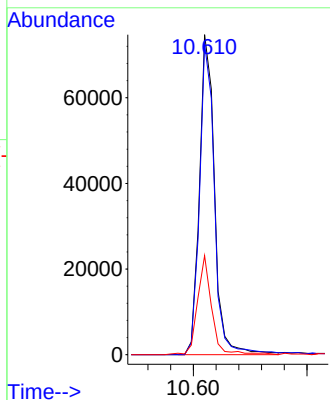
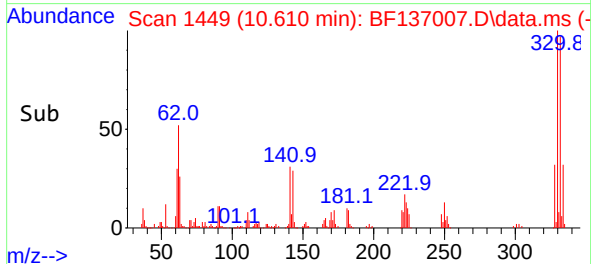
Tgt Ion:330 Resp: 69019
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.0
141 29.1 23.4 35.2

Manual Integrations

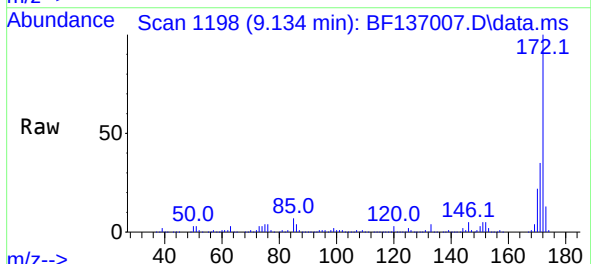
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Reviewed By :Yogesh Patel 01/09/2024

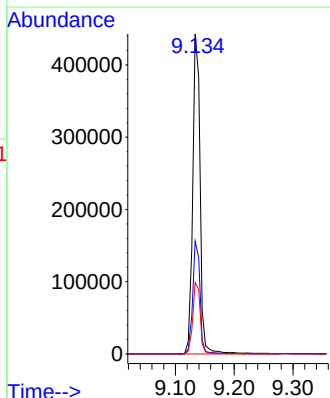
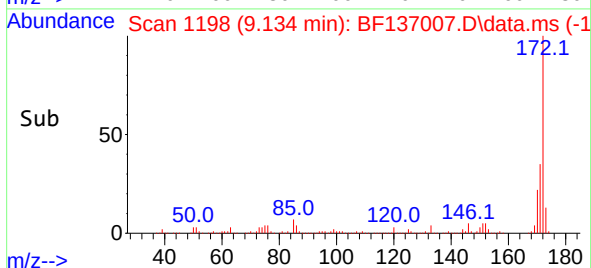
Supervised By :mohammad ahmed 01/09/2024

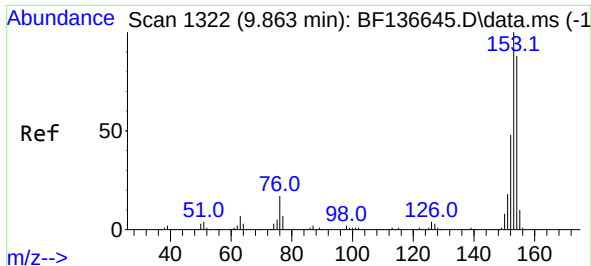


#45
2-Fluorobiphenyl
Concen: 57.756 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37



Tgt Ion:172 Resp: 387852
Ion Ratio Lower Upper
172 100
171 35.2 29.0 43.6
170 22.3 19.0 28.4





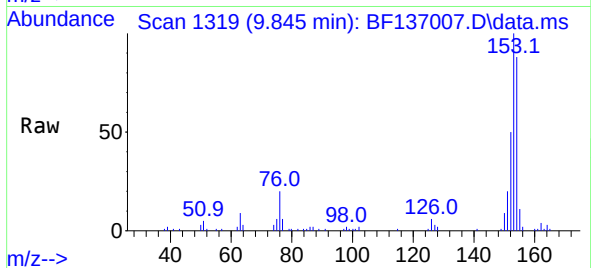
#52
Acenaphthene
Concen: 3.024 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

MR-311P-0-2

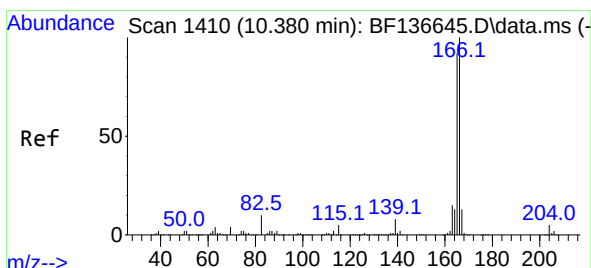
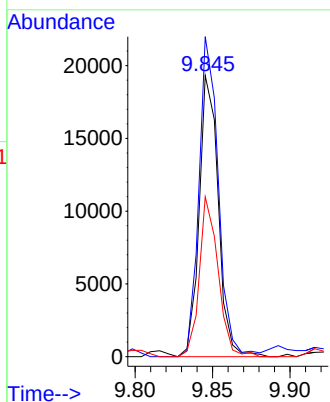
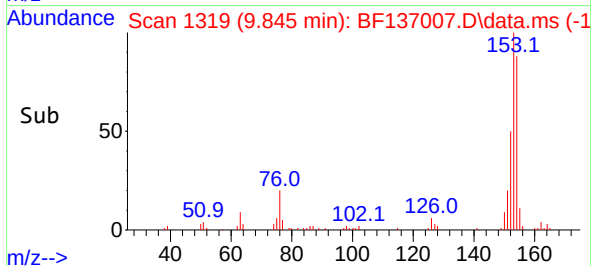


Tgt Ion:154 Resp: 16509
Ion Ratio Lower Upper
154 100
153 113.8 90.7 136.1
152 56.8 43.7 65.5

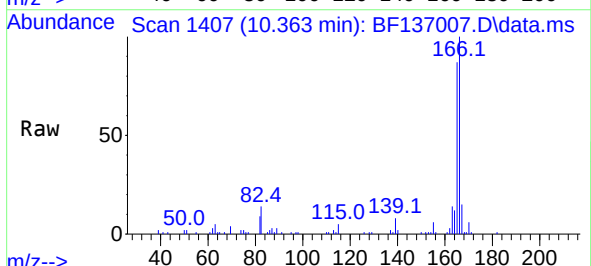
Manual Integrations

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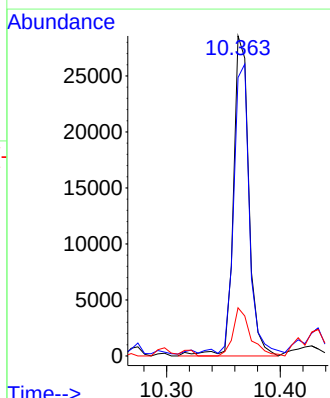
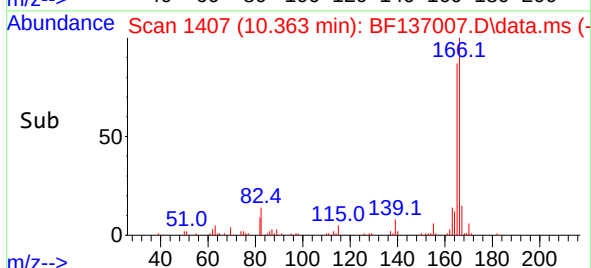
Reviewed By :Yogesh Patel 01/09/2024
Supervised By :mohammad ahmed 01/09/2024

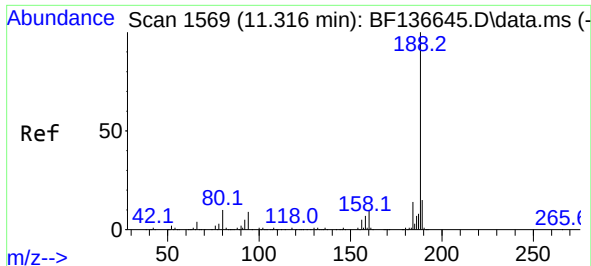


#58
Fluorene
Concen: 4.086 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.017 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37



Tgt Ion:166 Resp: 26828
Ion Ratio Lower Upper
166 100
165 87.0 73.7 110.5
167 15.1 10.4 15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

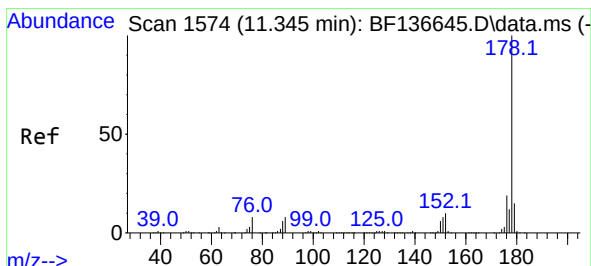
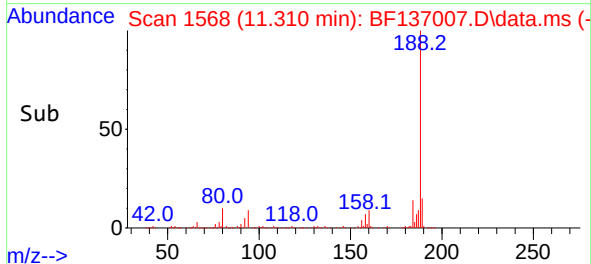
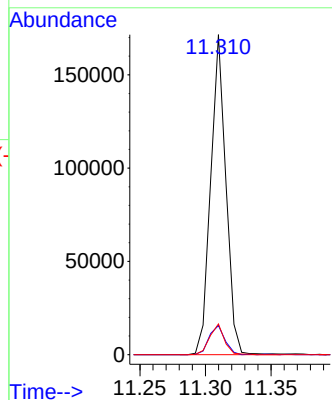
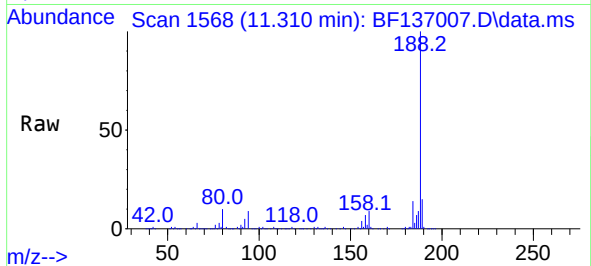
MR-311P-0-2

Tgt Ion:188 Resp: 13887
Ion Ratio Lower Upper
188 100
94 9.1 7.5 11.3
80 9.6 8.1 12.1

Manual Integrations

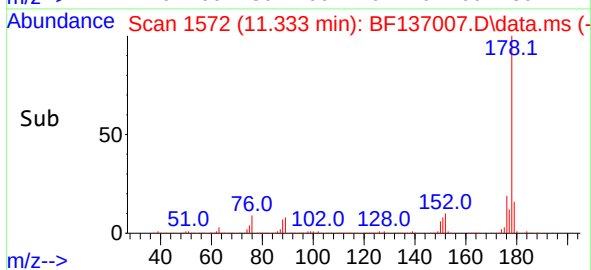
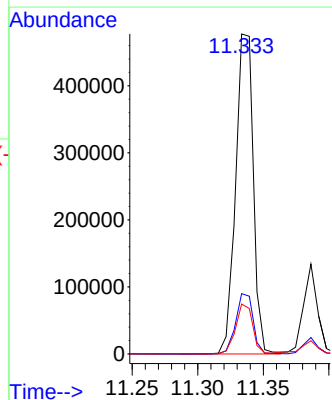
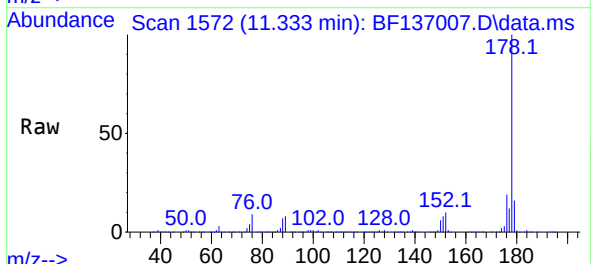
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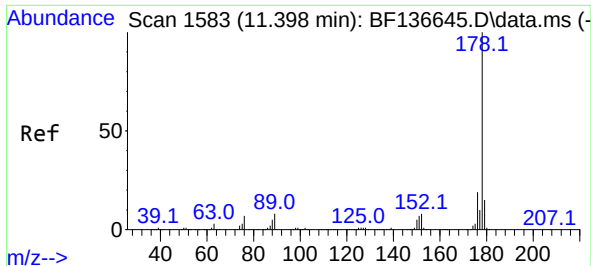
Reviewed By :Yogesh Patel 01/09/2024
Supervised By :mohammad ahmed 01/09/2024



#71
Phenanthrene
Concen: 63.106 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Tgt Ion:178 Resp: 449689
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.6 11.9 17.9





#72
 Anthracene
 Concen: 13.312 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF137007.D
 Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

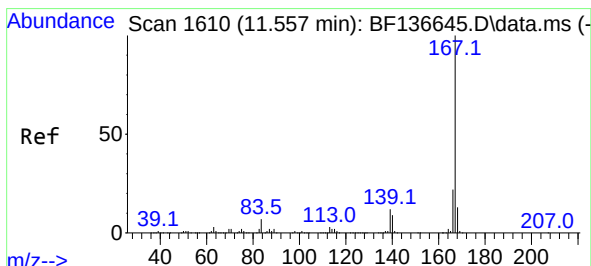
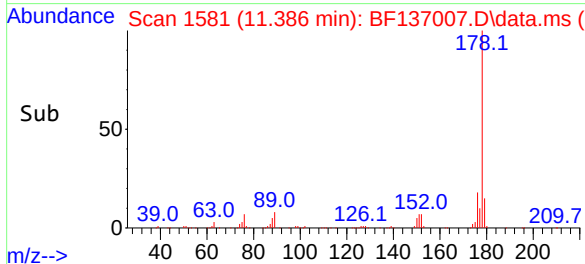
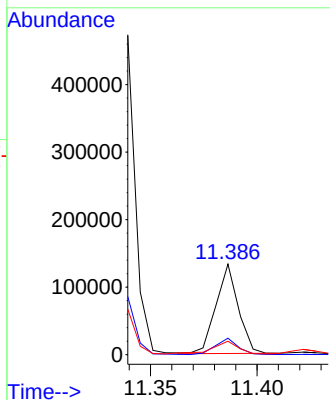
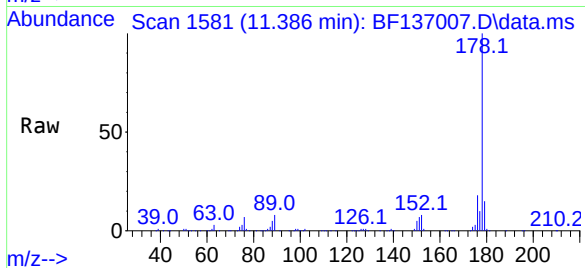
MR-311P-0-2

Tgt Ion:178 Resp: 9607
 Ion Ratio Lower Upper
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 176 18.3 14.9 22.3
 179 14.8 11.8 17.6

Manual Integrations

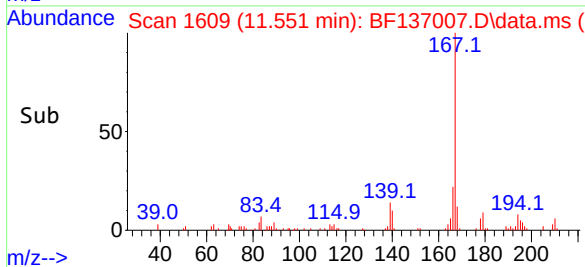
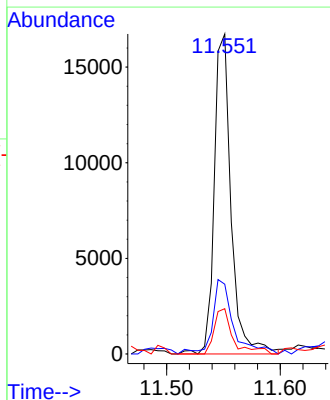
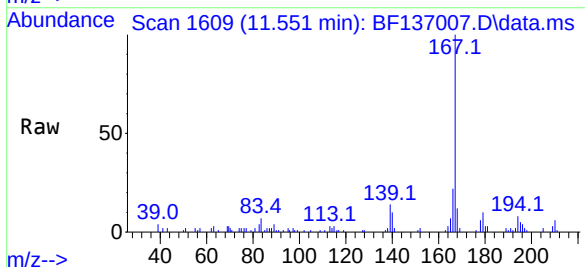
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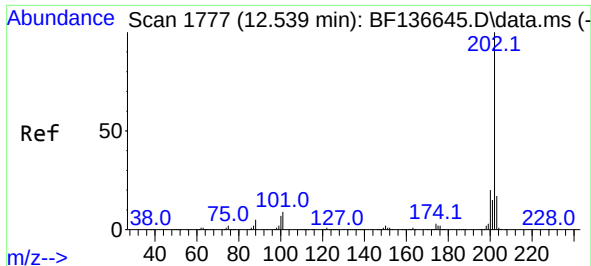
Reviewed By :Yogesh Patel 01/09/2024
 Supervised By :mohammad ahmed 01/09/2024



#73
 Carbazole
 Concen: 2.529 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137007.D
 Acq: 08 Jan 2024 21:37

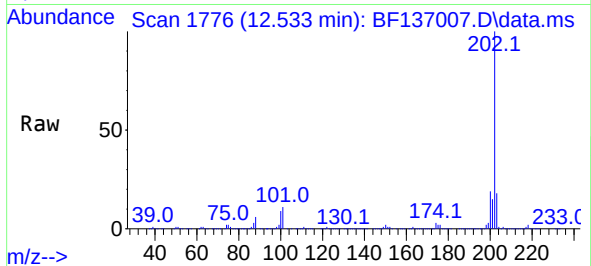
Tgt Ion:167 Resp: 17208
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.3 25.9
 139 14.2 9.8 14.6





#75
Fluoranthene
Concen: 78.597 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

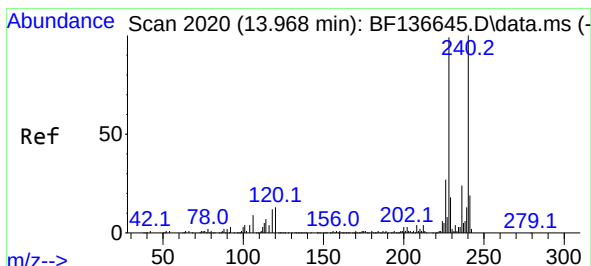
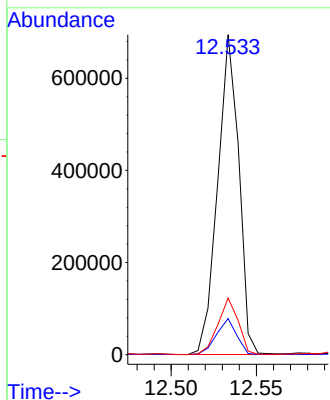
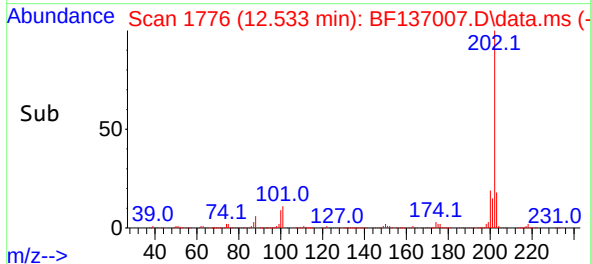
Instrument :
BNA_F
ClientSampleId :
MR-311P-0-2



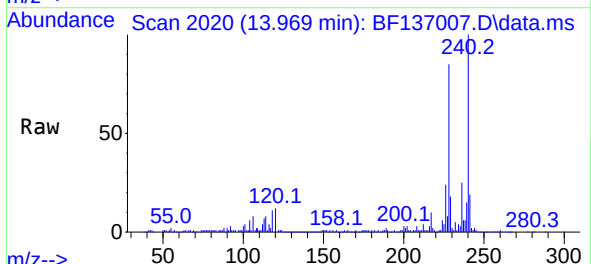
Tgt Ion:202 Resp: 599080
Ion Ratio Lower Upper
202 100
101 11.3 0.0 29.3
203 17.7 0.0 37.1

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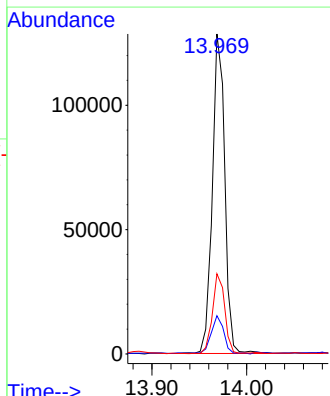
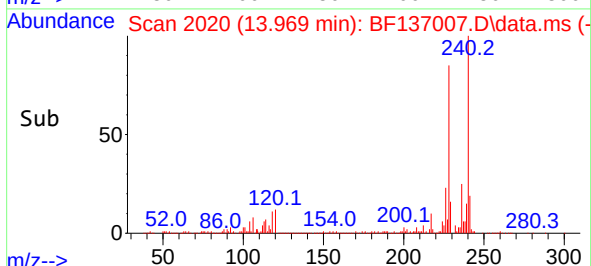
Reviewed By :Yogesh Patel 01/09/2024
Supervised By :mohammad ahmed 01/09/2024

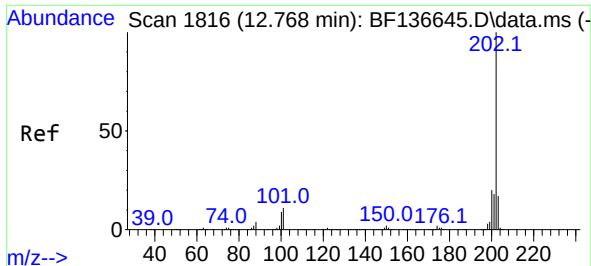


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37



Tgt Ion:240 Resp: 117542
Ion Ratio Lower Upper
240 100
120 12.0 10.3 15.5
236 25.1 19.4 29.2





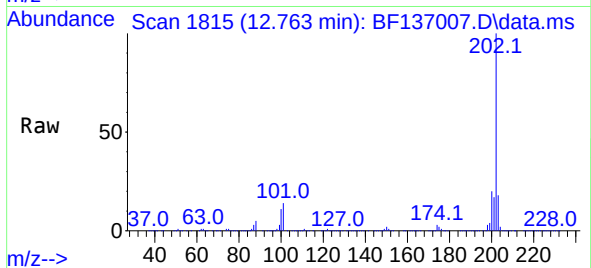
#78
Pyrene
Concen: 51.951 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

MR-311P-0-2

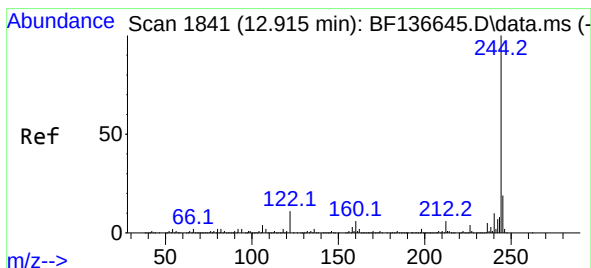
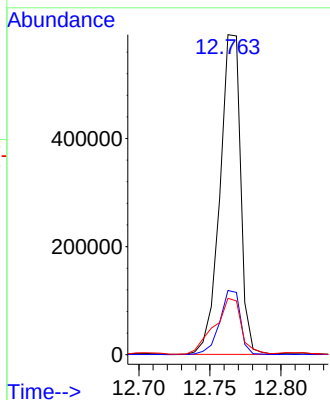
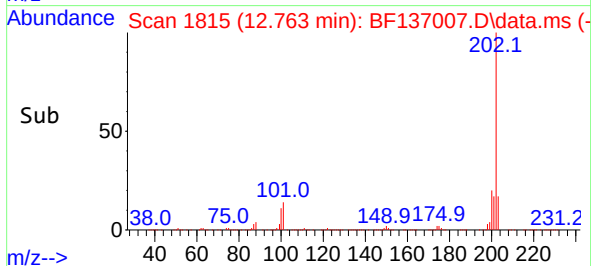


Tgt Ion:202 Resp: 59944
Ion Ratio Lower Upper
202 100
200 20.0 15.9 23.9
203 17.6 13.8 20.6

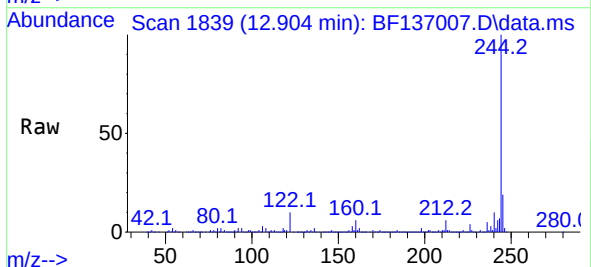
Manual Integrations

APPROVED

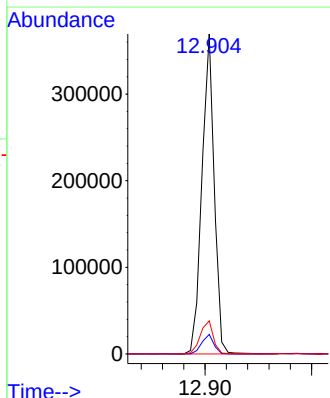
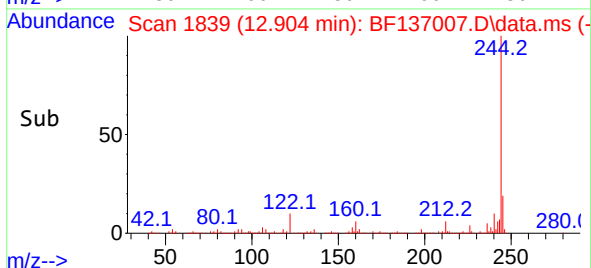
Reviewed By :Yogesh Patel 01/09/2024
Supervised By :mohammad ahmed 01/09/2024

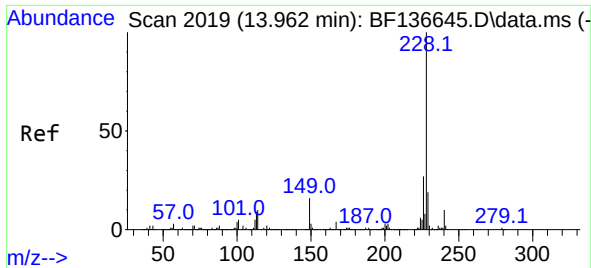


#79
Terphenyl-d14
Concen: 35.352 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37



Tgt Ion:244 Resp: 297351
Ion Ratio Lower Upper
244 100
212 6.1 5.0 7.4
122 10.3 9.0 13.4





#81
Benzo(a)anthracene
Concen: 35.549 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

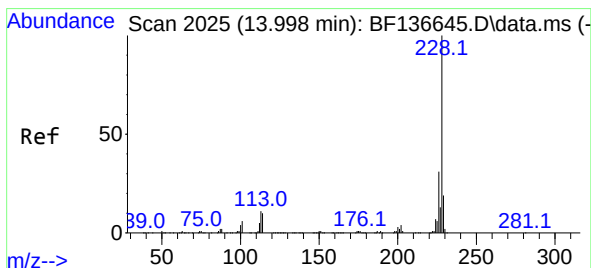
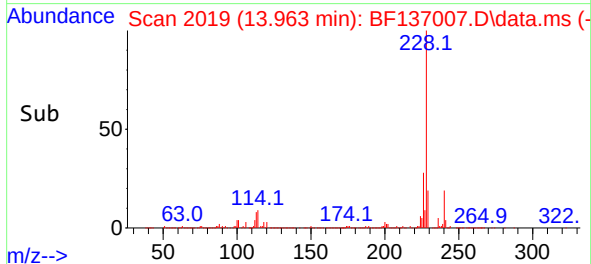
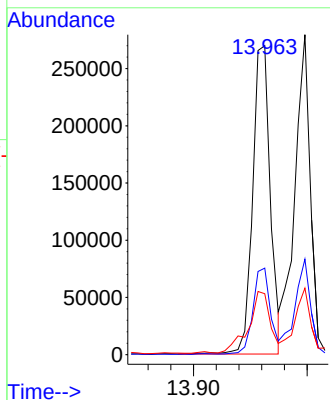
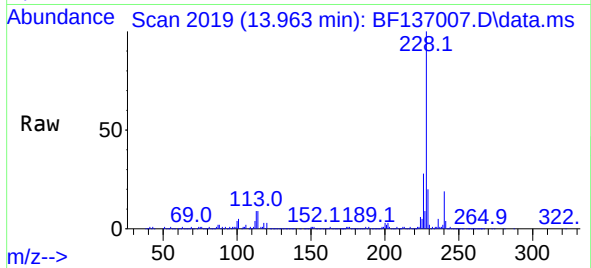
MR-311P-0-2

Tgt Ion:228 Resp: 290150
Ion Ratio Lower Upper
228 100
226 28.0 21.4 32.0
229 19.7 14.9 22.3

Manual Integrations

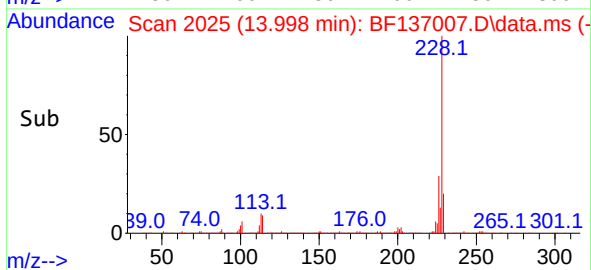
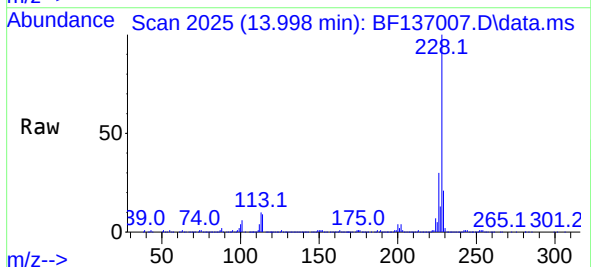
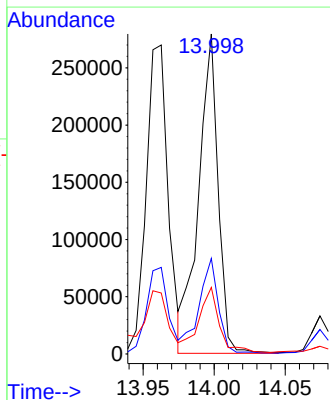
APPROVED

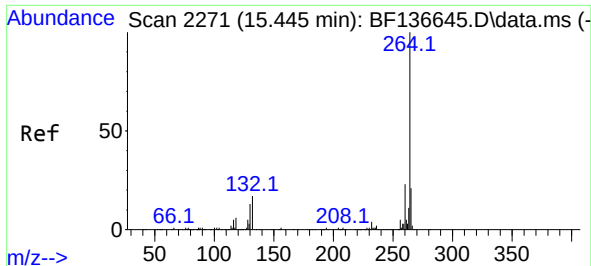
Reviewed By :Yogesh Patel 01/09/2024
Supervised By :mohammad ahmed 01/09/2024



#83
Chrysene
Concen: 33.595 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Tgt Ion:228 Resp: 268143
Ion Ratio Lower Upper
228 100
226 29.9 24.7 37.1
229 20.8 15.4 23.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

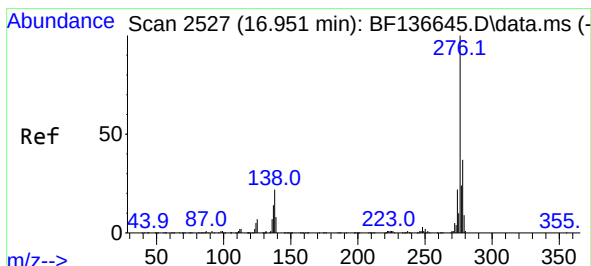
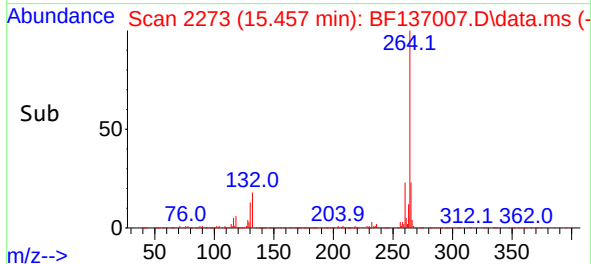
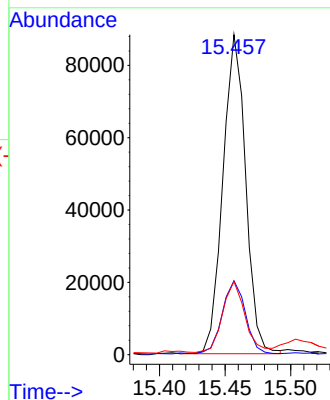
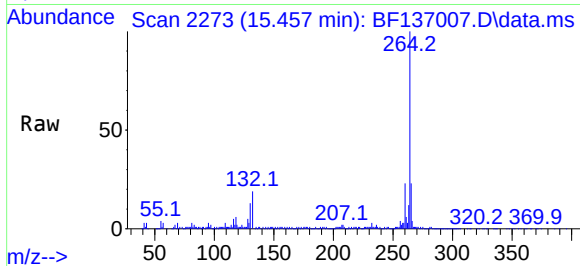
MR-311P-0-2

Tgt Ion:264 Resp: 10607
Ion Ratio Lower Upper
264 100
260 23.1 18.3 27.5
265 22.9 17.0 25.6

Manual Integrations

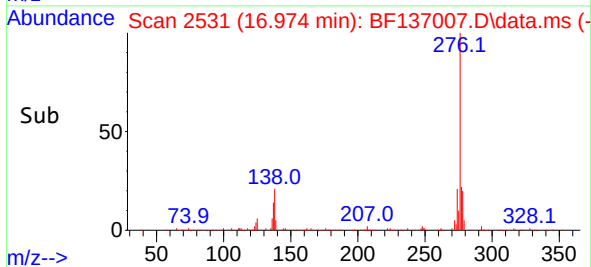
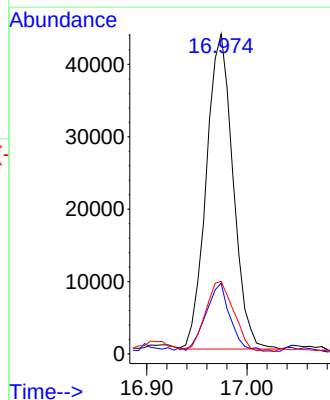
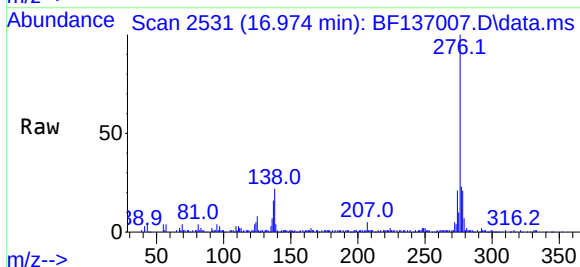
APPROVED

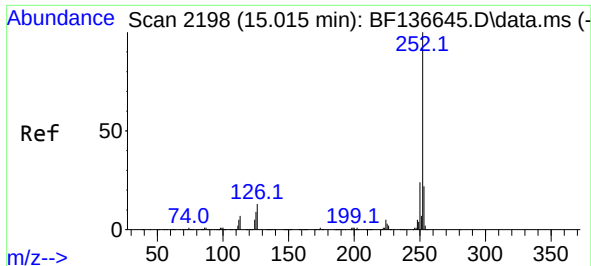
Reviewed By :Yogesh Patel 01/09/2024
Supervised By :mohammad ahmed 01/09/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.542 ng
RT: 16.974 min Scan# 2531
Delta R.T. 0.024 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Tgt Ion:276 Resp: 80736
Ion Ratio Lower Upper
276 100
138 20.5 18.7 28.1
277 22.8 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 34.311 ng m
RT: 15.021 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

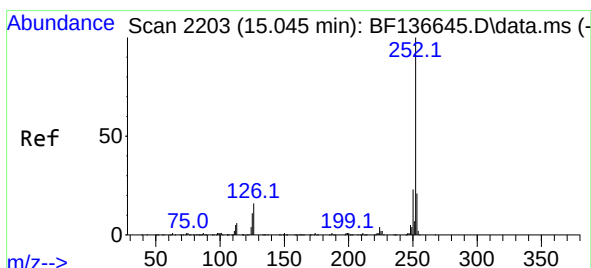
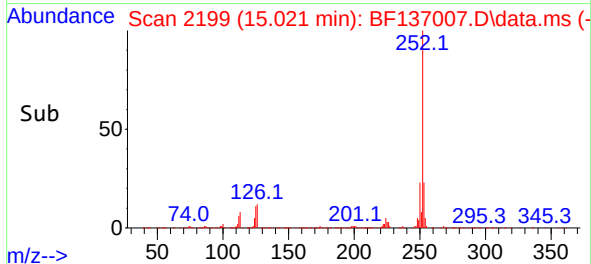
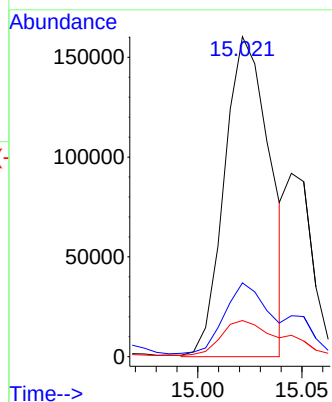
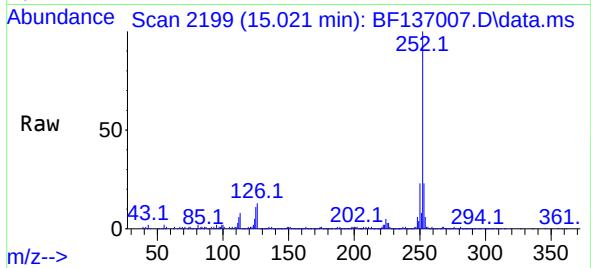
MR-311P-0-2

Tgt Ion:252 Resp: 24308
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.3 7.4 11.2

Manual Integrations

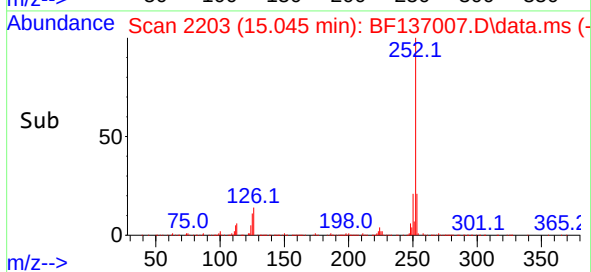
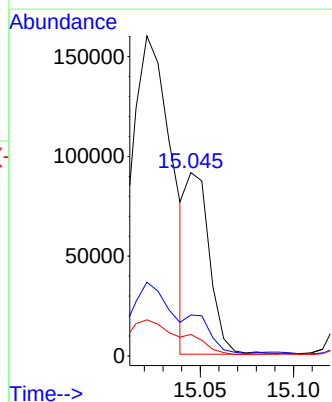
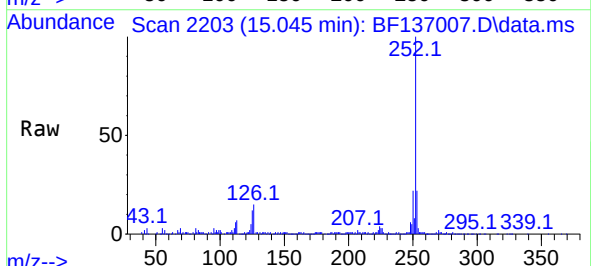
APPROVED

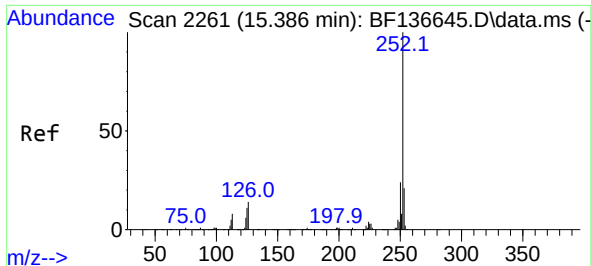
Reviewed By :Yogesh Patel 01/09/2024
Supervised By :mohammad ahmed 01/09/2024



#89
Benzo(k)fluoranthene
Concen: 11.789 ng m
RT: 15.045 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Tgt Ion:252 Resp: 78922
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.6
125 11.7 8.2 12.4





#90
Benzo(a)pyrene
Concen: 29.107 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

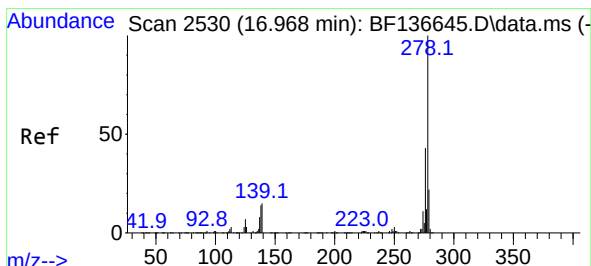
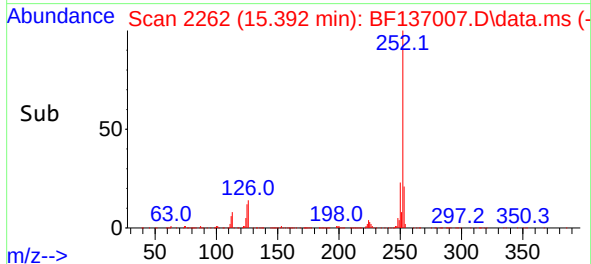
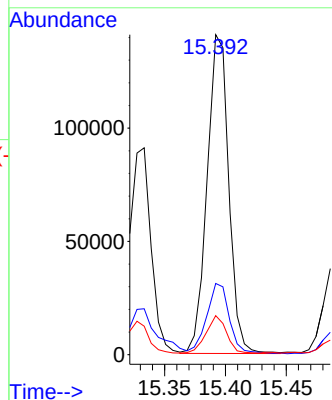
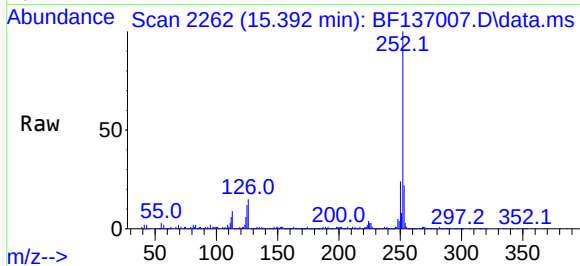
ClientSampleId :

MR-311P-0-2

Tgt Ion:252 Resp: 174064
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.6
125 12.2 8.8 13.2

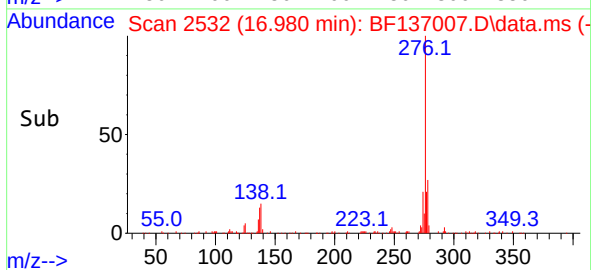
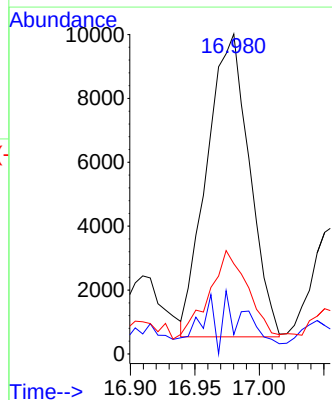
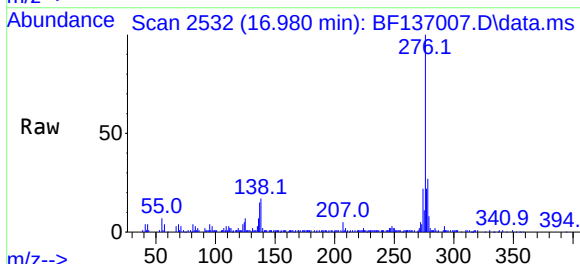
Manual Integrations
APPROVED

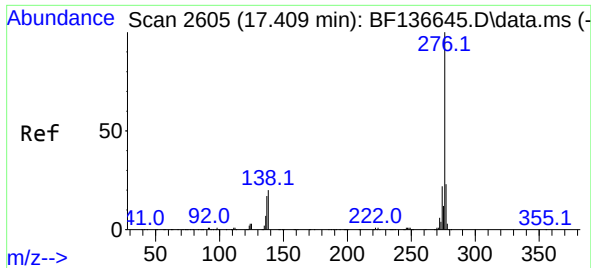
Reviewed By :Yogesh Patel 01/09/2024
Supervised By :mohammad ahmed 01/09/2024



#91
Dibenzo(a,h)anthracene
Concen: 3.467 ng m
RT: 16.980 min Scan# 2532
Delta R.T. 0.012 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

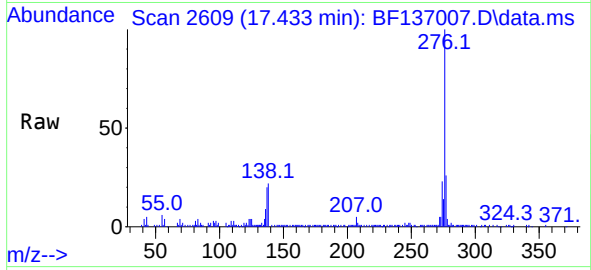
Tgt Ion:278 Resp: 21783
Ion Ratio Lower Upper
278 100
139 6.1 12.2 18.4#
279 28.2 17.8 26.6#





#92
 Benzo(g,h,i)perylene
 Concen: 11.706 ng
 RT: 17.433 min Scan# 20
 Delta R.T. 0.024 min
 Lab File: BF137007.D
 Acq: 08 Jan 2024 21:37

Instrument :
 BNA_F
 ClientSampleId :
 MR-311P-0-2



Tgt Ion: 276 Resp: 75330

Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.3	27.5
138	22.1	15.6	23.4

Manual Integrations
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Reviewed By :Yogesh Patel 01/09/2024
 Supervised By :mohammad ahmed 01/09/2024

