

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136963.D
 Acq On : 05 Jan 2024 03:03
 Operator : CG\JU
 Sample : 06015-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-317-0-2D

Quant Time: Jan 05 03:56:35 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/05/2024
 Supervised By :mohammad ahmed 01/05/2024

Supervised By :mohammad
 ahmed
 01/05/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	45683	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	164614	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	75407	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	135360	20.000	ng	0.00
76) Chrysene-d12	13.974	240	105908	20.000	ng	0.00
86) Perylene-d12	15.463	264	81893	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	273781	93.509	ng	0.00
7) Phenol-d6	6.434	99	329919	86.963	ng	0.00
23) Nitrobenzene-d5	7.345	82	197069	61.260	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	77290	87.030	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	380732	67.909	ng	-0.01
79) Terphenyl-d14	12.910	244	379081	50.020	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.081	128	30258	3.346	ng	96
37) 2-Methylnaphthalene	8.775	142	13748	2.362	ng	98
52) Acenaphthene	9.851	154	45974	10.087	ng	99
55) Dibenzofuran	10.022	168	41805	6.051	ng	98
58) Fluorene	10.369	166	54048	9.859	ng	95
71) Phenanthrene	11.339	178	665963	95.885	ng	99
72) Anthracene	11.386	178	199749	28.398	ng	97
73) Carbazole	11.551	167	73791	11.127	ng	99
75) Fluoranthene	12.539	202	968059	130.305	ng	96
78) Pyrene	12.769	202	854819	82.221	ng	100
81) Benzo(a)anthracene	13.963	228	469129	63.791	ng	97
83) Chrysene	14.004	228	394391	54.841	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	136470	23.080	ng	96
88) Benzo(b)fluoranthene	15.027	252	383425m	70.100	ng	
89) Benzo(k)fluoranthene	15.051	252	124929m	24.172	ng	
90) Benzo(a)pyrene	15.404	252	258363	55.959	ng	98
91) Dibenzo(a,h)anthracene	16.986	278	38598	7.957	ng	# 92
92) Benzo(g,h,i)perylene	17.439	276	133132	26.796	ng	98

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

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Acq On : 05 Jan 2024 03:03
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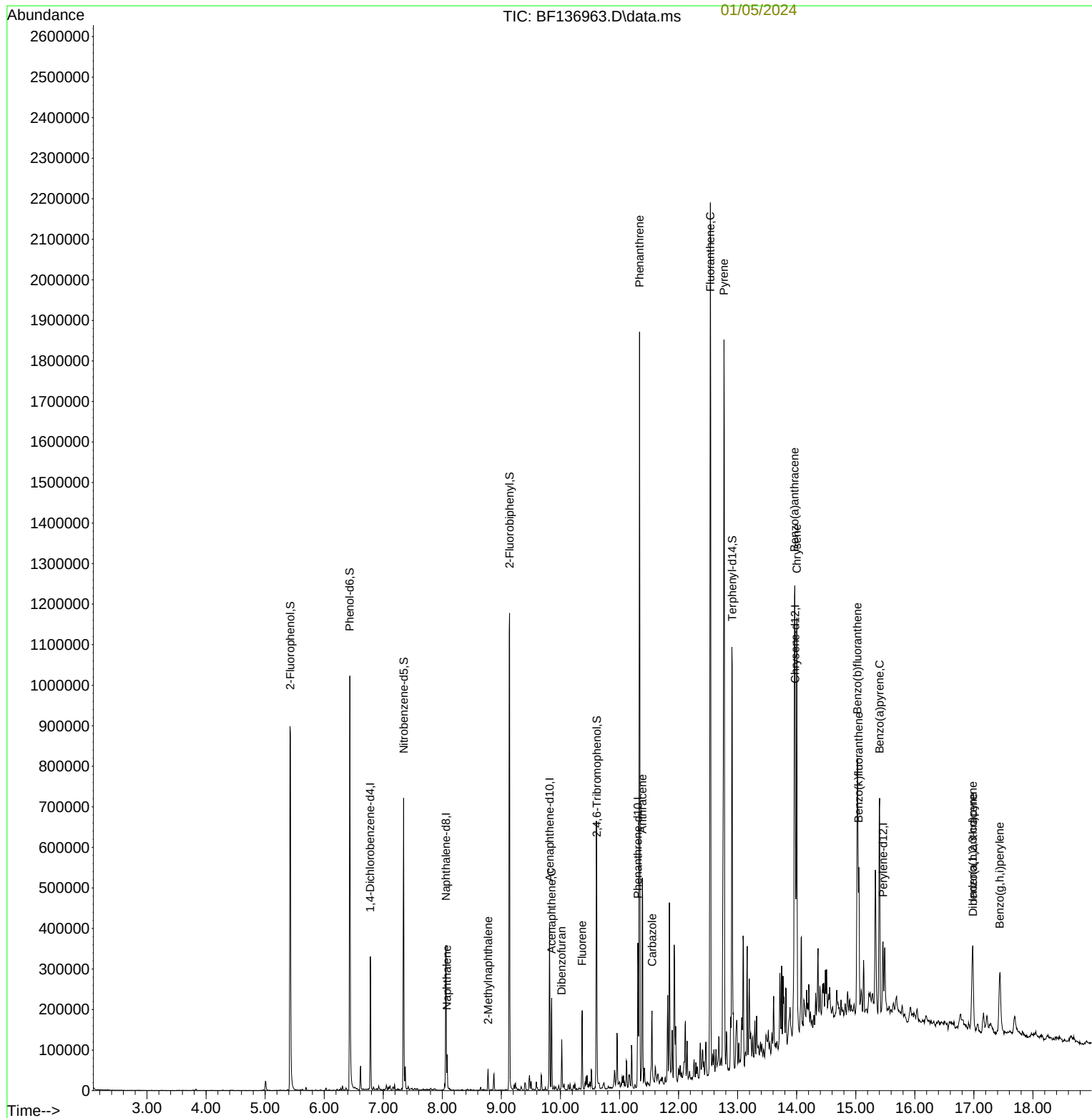
Instrument :
BNA_F
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MR-317-0-2D

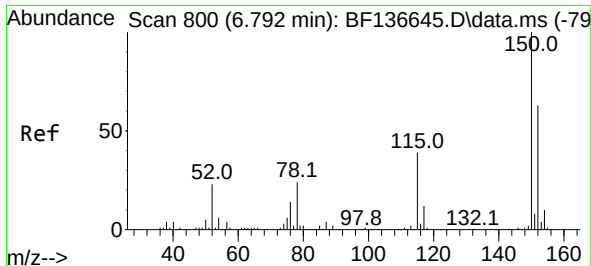
Quant Time: Jan 05 03:56:35 2024
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ahmed
01/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

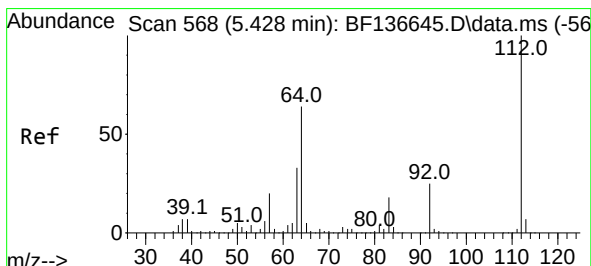
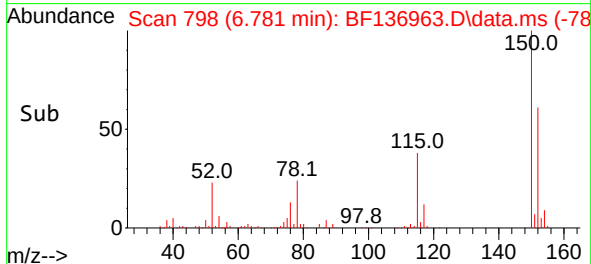
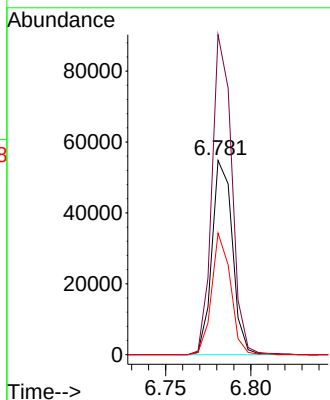
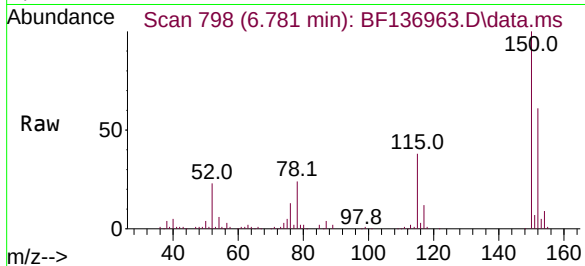
MR-317-0-2D

Tgt Ion:152 Resp: 4568
Ion Ratio Lower Upper
152 100
150 164.7 127.0 190.6
115 62.6 49.0 73.4

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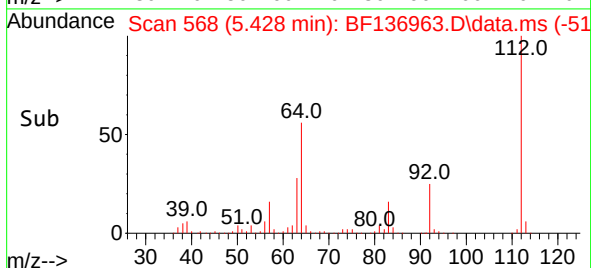
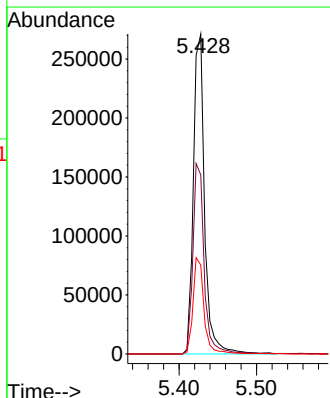
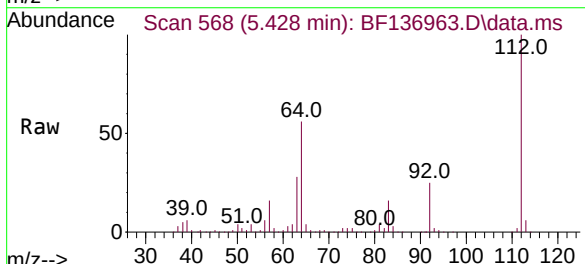
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

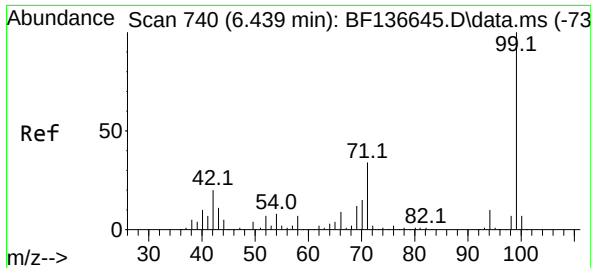
Supervised By :mohammad
ahmed
01/05/2024



#5
2-Fluorophenol
Concen: 93.509 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion:112 Resp: 273781
Ion Ratio Lower Upper
112 100
64 55.9 51.1 76.7
63 27.8 26.1 39.1





#7

Phenol-d6

Concen: 86.963 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136963.D

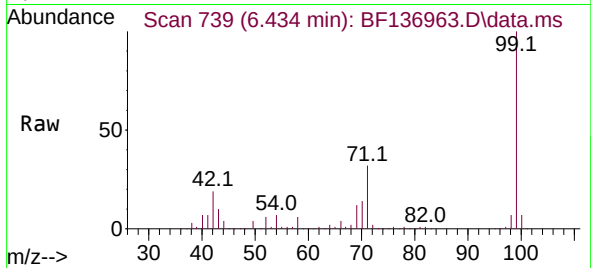
Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D



Tgt Ion: 99 Resp: 329919

Ion	Ratio	Lower	Upper
99	100		
42	18.9	16.1	24.1
71	31.9	27.4	41.2

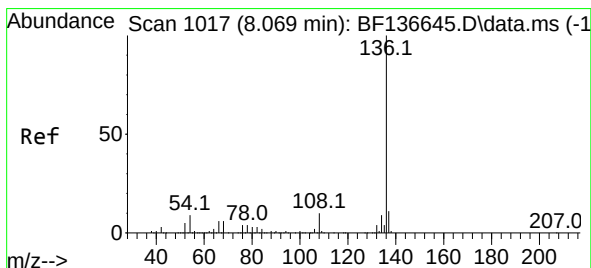
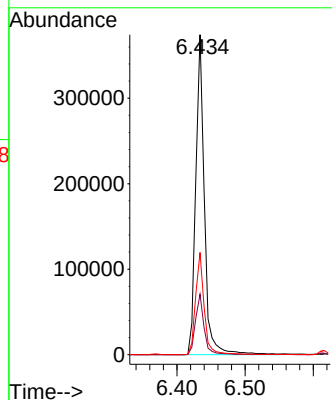
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ahmed
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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1016

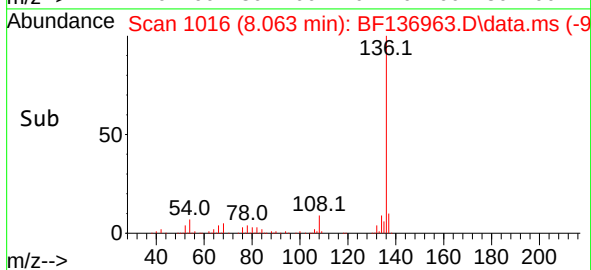
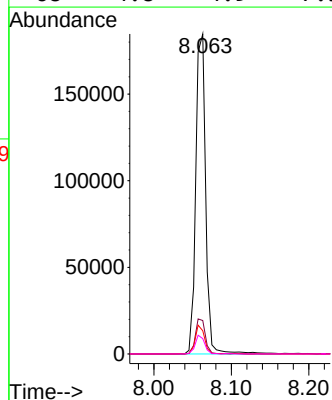
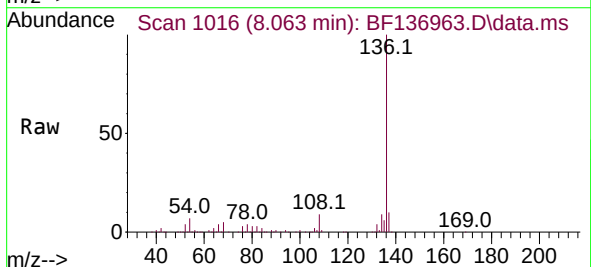
Delta R.T. -0.006 min

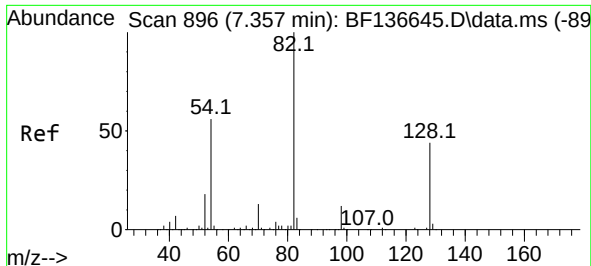
Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Tgt Ion:136 Resp: 164614

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	7.3	7.2	10.8
68	4.8	4.9	7.3





#23

Nitrobenzene-d5

Concen: 61.260 ng

RT: 7.345 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D

Tgt Ion: 82 Resp: 197069

Ion Ratio Lower Upper

82 100

128 45.6 35.3 52.9

54 52.8 44.5 66.7

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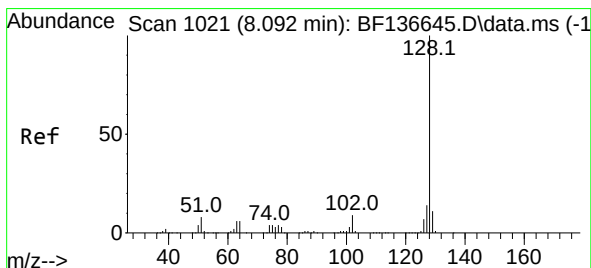
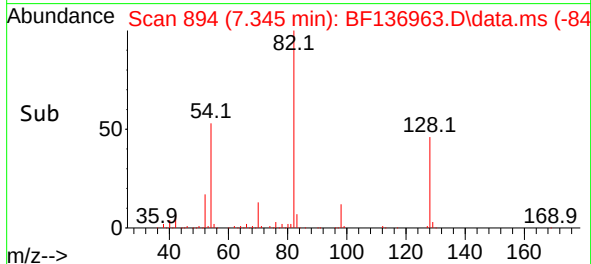
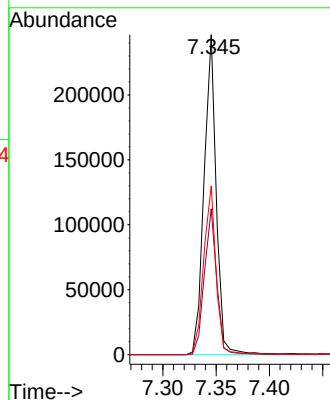
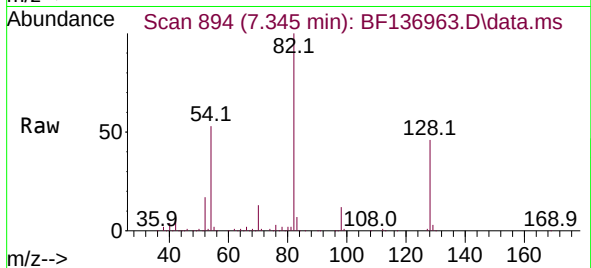
Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024

Supervised By :mohammad

ahmed

01/05/2024



#31

Naphthalene

Concen: 3.346 ng

RT: 8.081 min Scan# 1019

Delta R.T. -0.012 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

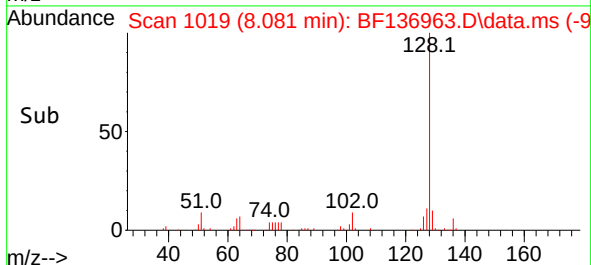
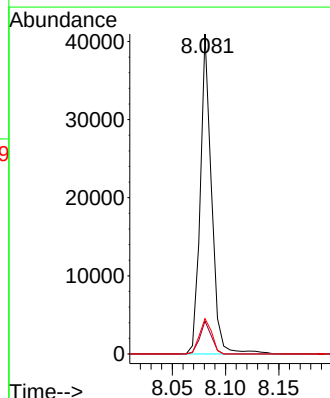
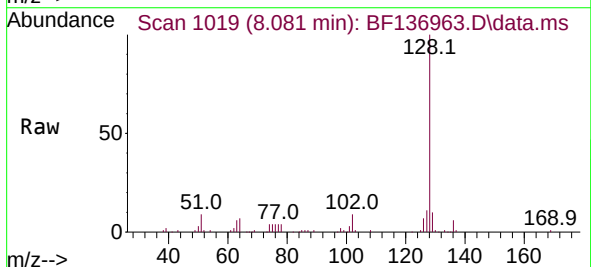
Tgt Ion:128 Resp: 30258

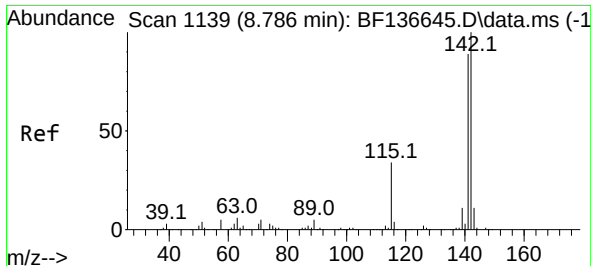
Ion Ratio Lower Upper

128 100

129 10.2 8.7 13.1

127 11.0 10.8 16.2





#37
2-Methylnaphthalene
Concen: 2.362 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

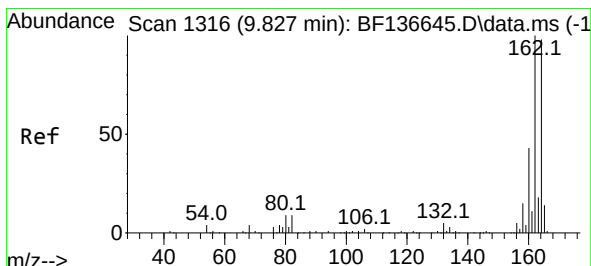
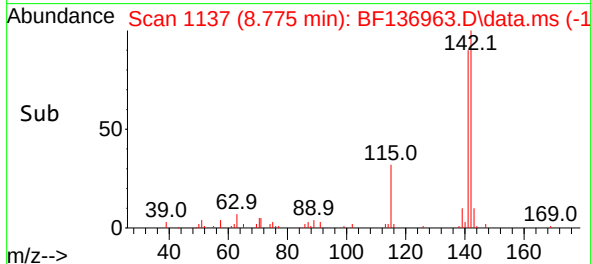
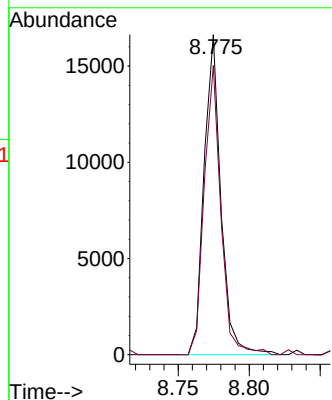
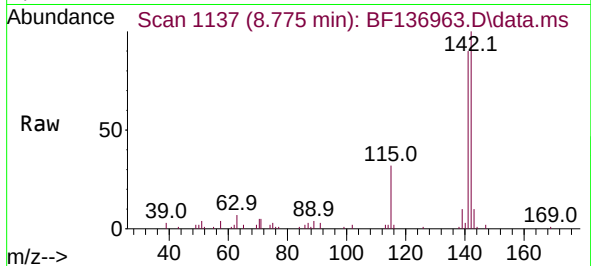
MR-317-0-2D

Tgt Ion:142 Resp: 13748
Ion Ratio Lower Upper
142 100
141 90.4 71.1 106.7

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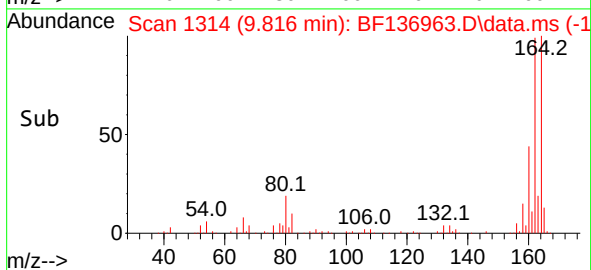
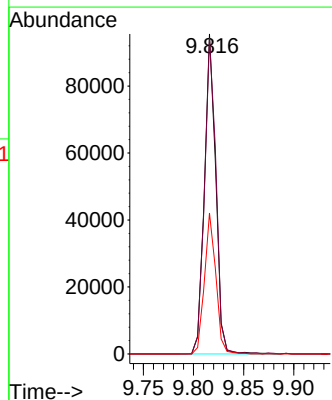
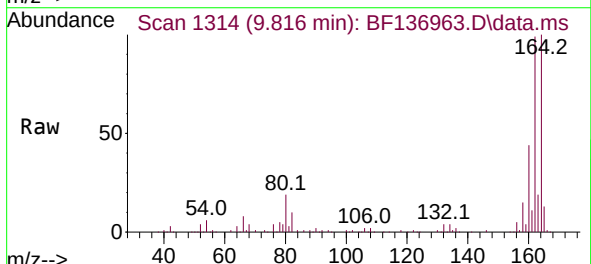
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

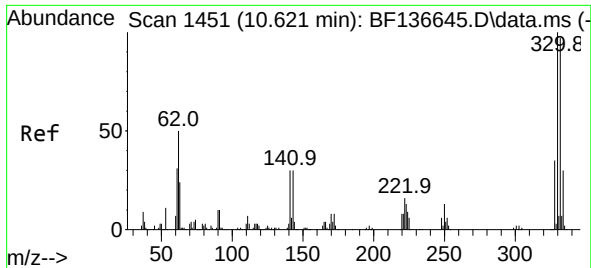
Supervised By :mohammad
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01/05/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion:164 Resp: 75407
Ion Ratio Lower Upper
164 100
162 98.8 81.6 122.4
160 44.0 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 87.030 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

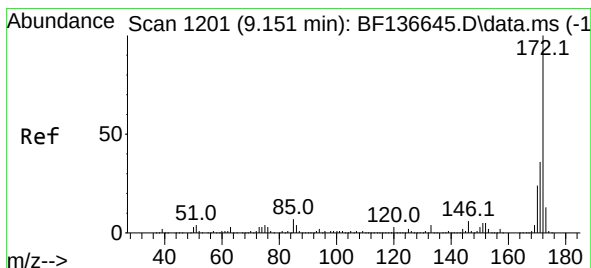
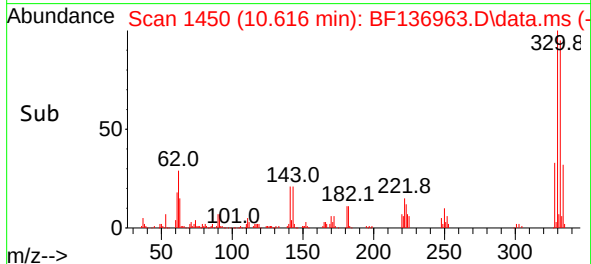
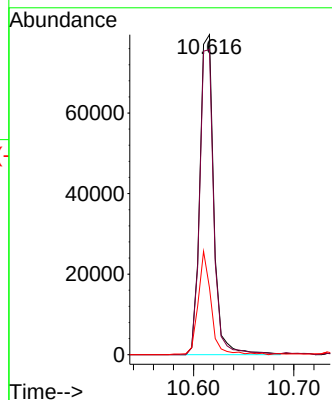
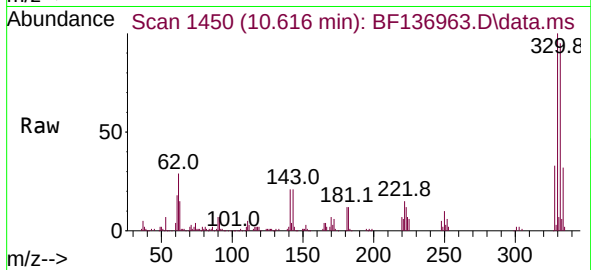
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Tgt Ion:330 Resp: 77290
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.0
141 29.8 23.4 35.2

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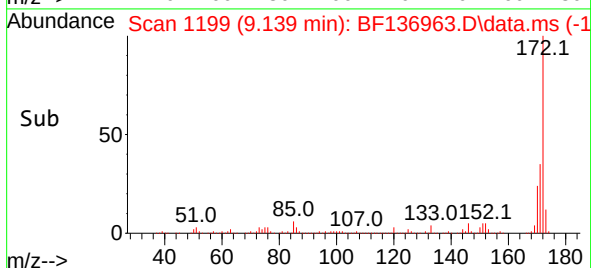
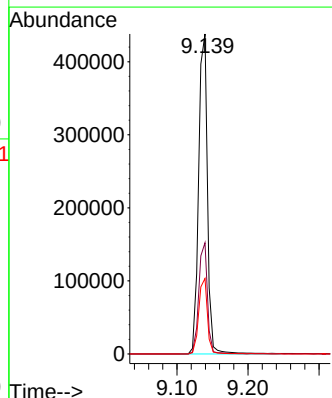
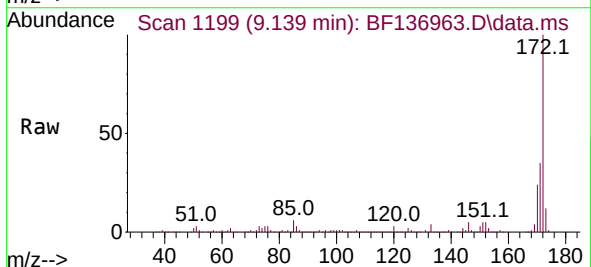
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

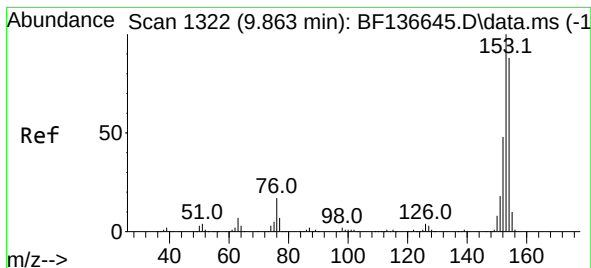
Supervised By :mohammad
ahmed
01/05/2024



#45
2-Fluorobiphenyl
Concen: 67.909 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion:172 Resp: 380732
Ion Ratio Lower Upper
172 100
171 34.8 29.0 43.6
170 23.6 19.0 28.4





#52

Acenaphthene

Concen: 10.087 ng

RT: 9.851 min Scan# 1320

Delta R.T. -0.012 min

Lab File: BF136963.D

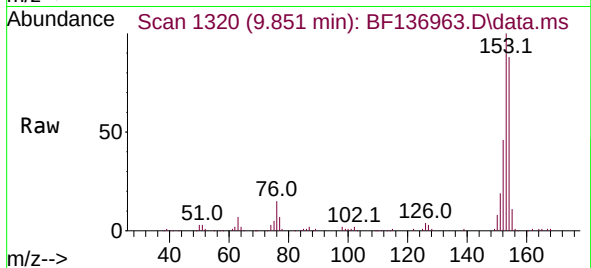
Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D



Tgt Ion:	154	Resp:	45974
Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.7	136.1
152	52.0	43.7	65.5

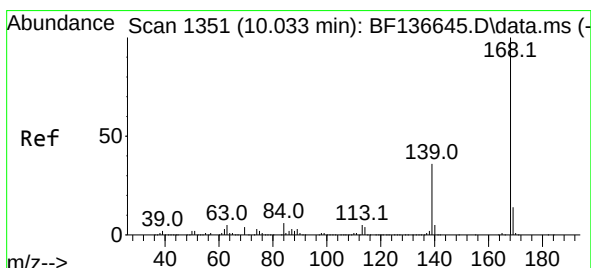
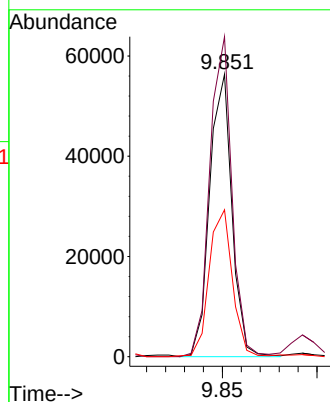
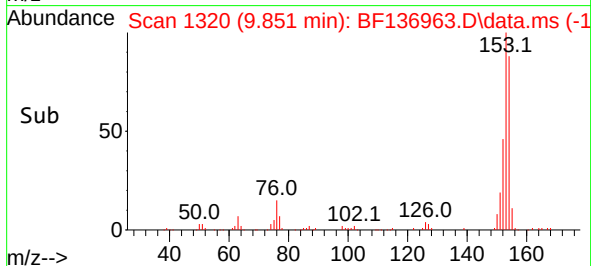
Manual Integrations

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Supervised By :mohammad ahmed 01/05/2024

Supervised By :mohammad
ahmed
01/05/2024



#55

Dibenzofuran

Concen: 6.051 ng

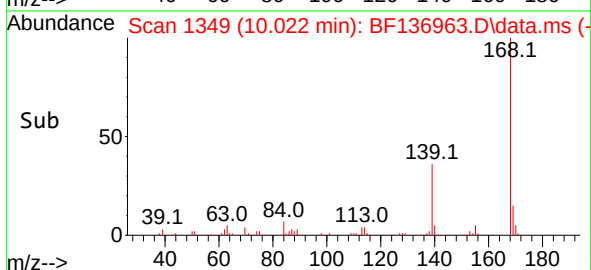
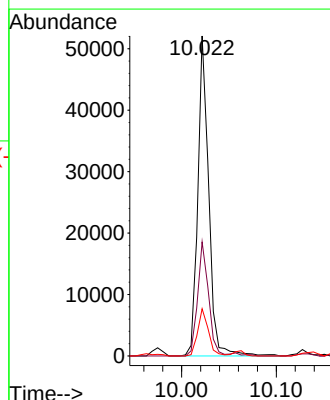
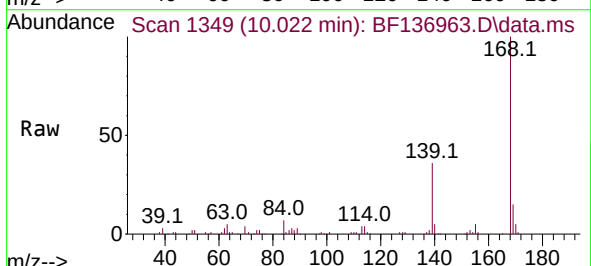
RT: 10.022 min Scan# 1349

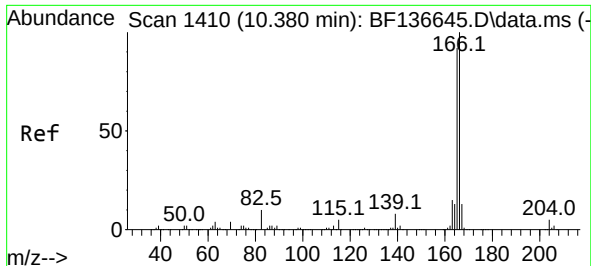
Delta R.T. -0.012 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

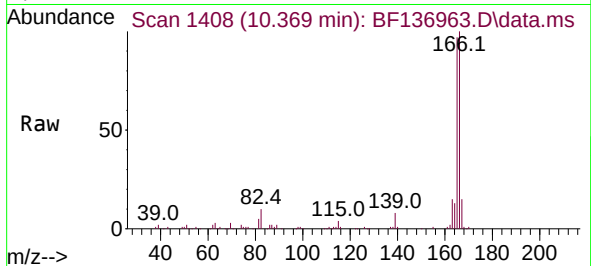
Tgt Ion:	168	Resp:	41805
Ion	Ratio	Lower	Upper
168	100		
139	35.7	29.3	43.9
169	14.8	11.0	16.4





#58
Fluorene
Concen: 9.859 ng
RT: 10.369 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Instrument :
BNA_F
ClientSampleId :
MR-317-0-2D

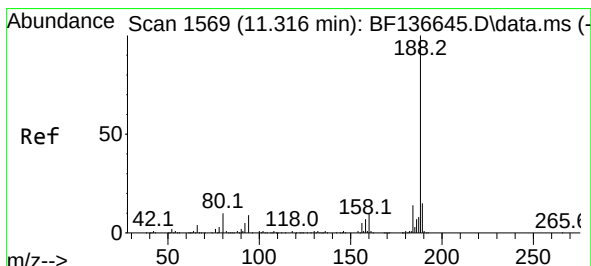
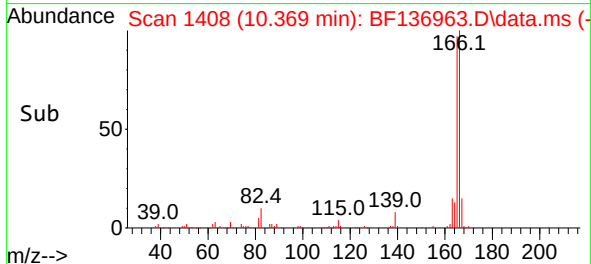
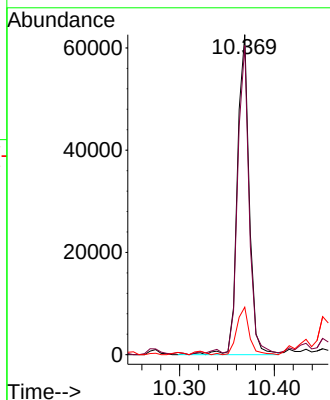


Tgt Ion:166 Resp: 54048
Ion Ratio Lower Upper
166 100
165 96.6 73.7 110.5
167 14.8 10.4 15.6

Manual Integrations
APPROVED

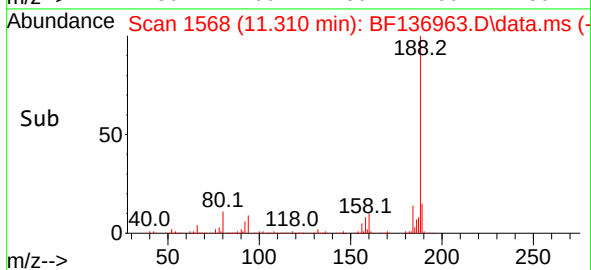
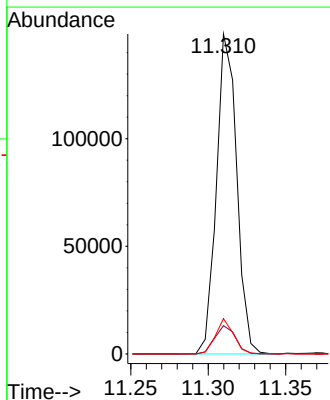
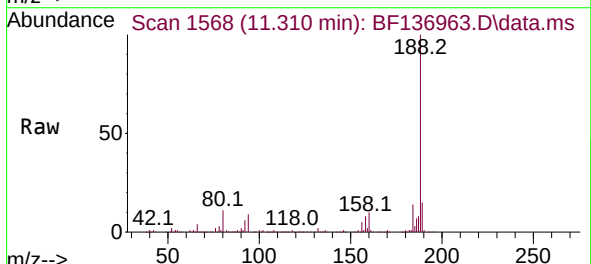
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

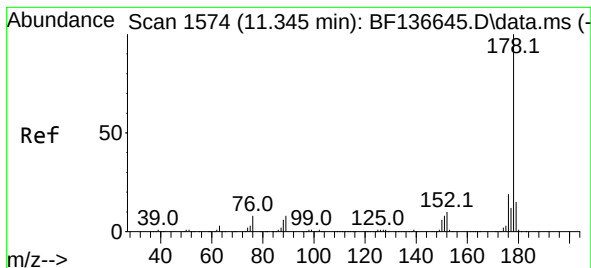
Supervised By :mohammad
ahmed
01/05/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion:188 Resp: 135360
Ion Ratio Lower Upper
188 100
94 8.8 7.5 11.3
80 11.0 8.1 12.1





#71

Phenanthrene

Concen: 95.885 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D

Tgt Ion:178 Resp: 66596

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 15.6 11.9 17.9

Manual Integrations

APPROVED

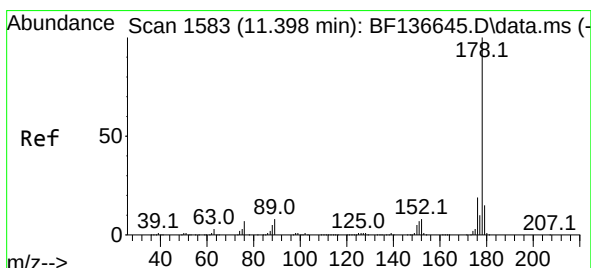
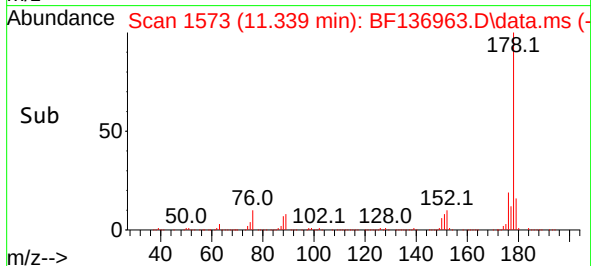
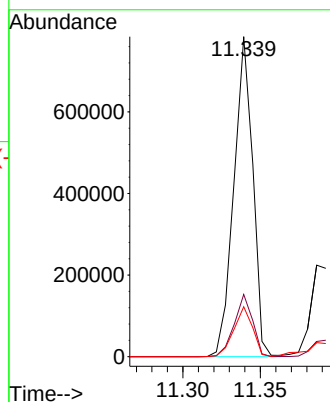
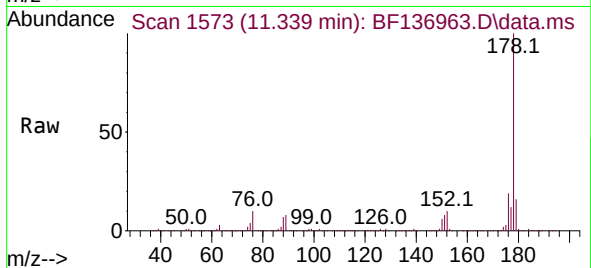
Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024

Supervised By :mohammad

ahmed

01/05/2024



#72

Anthracene

Concen: 28.398 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

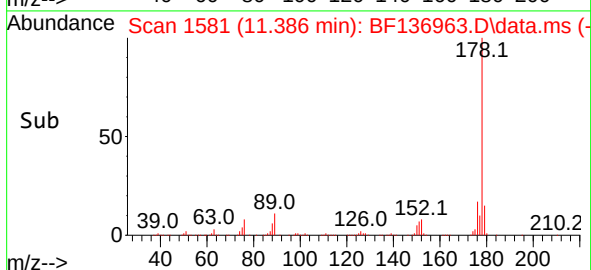
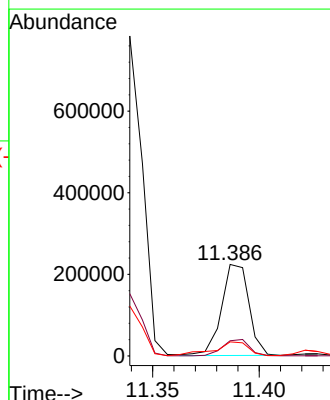
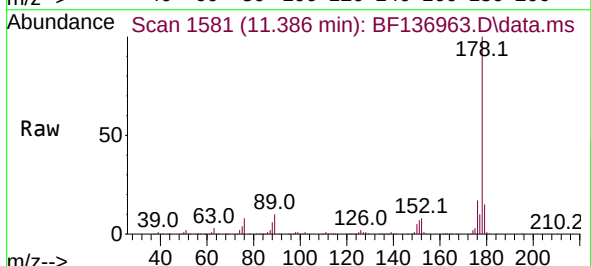
Tgt Ion:178 Resp: 199749

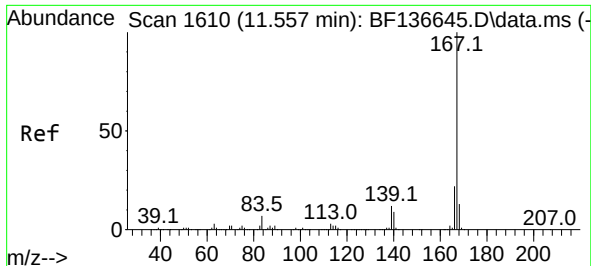
Ion Ratio Lower Upper

178 100

176 16.7 14.9 22.3

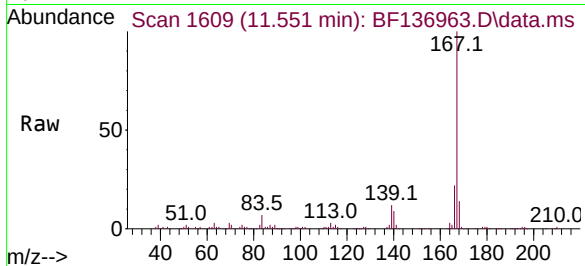
179 15.4 11.8 17.6





#73
 Carbazole
 Concen: 11.127 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF136963.D
 Acq: 05 Jan 2024 03:03

Instrument :
 BNA_F
 ClientSampleId :
 MR-317-0-2D

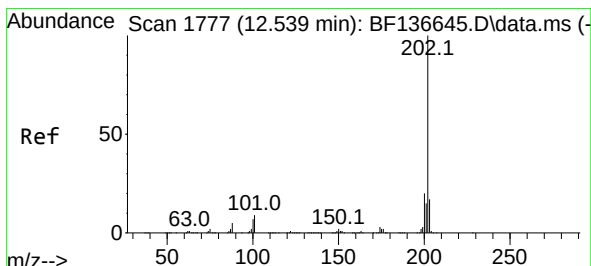
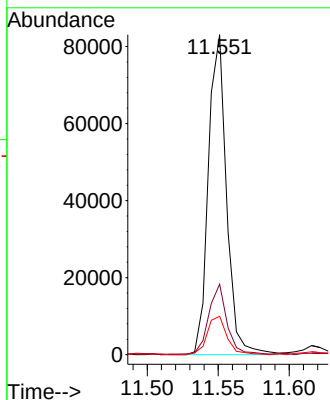
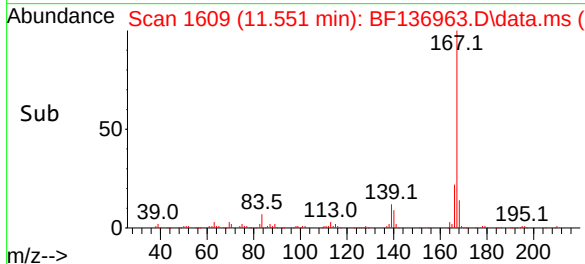


Tgt Ion:167 Resp: 7379
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.3 25.9
 139 12.0 9.8 14.6

Manual Integrations
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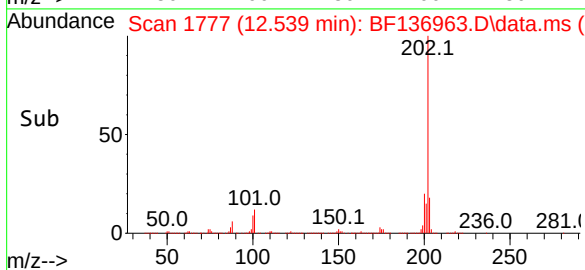
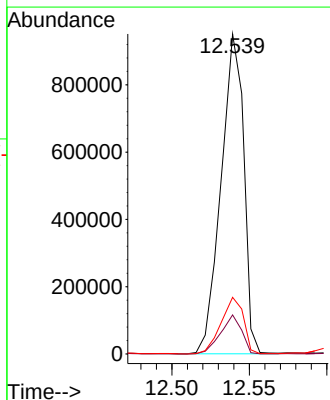
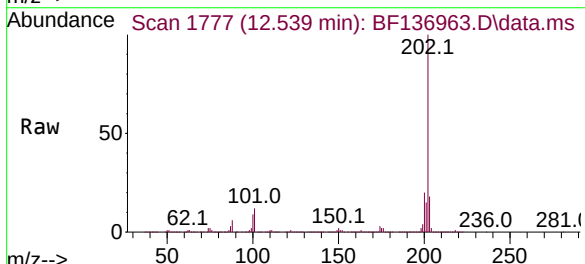
Reviewed By :Yogesh Patel 01/05/2024
 Supervised By :mohammad ahmed 01/05/2024

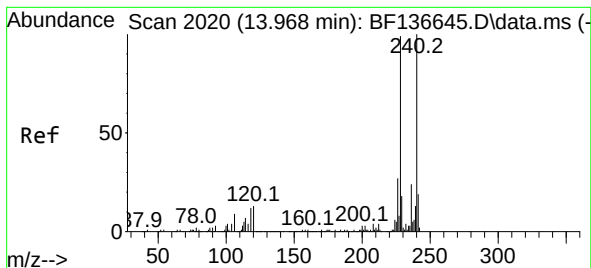
Supervised By :mohammad
 ahmed
 01/05/2024



#75
 Fluoranthene
 Concen: 130.305 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BF136963.D
 Acq: 05 Jan 2024 03:03

Tgt Ion:202 Resp: 968059
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 29.3
 203 17.7 0.0 37.1





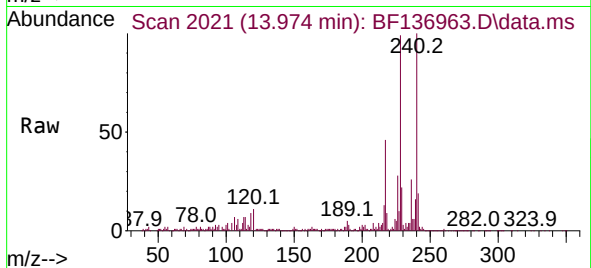
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D



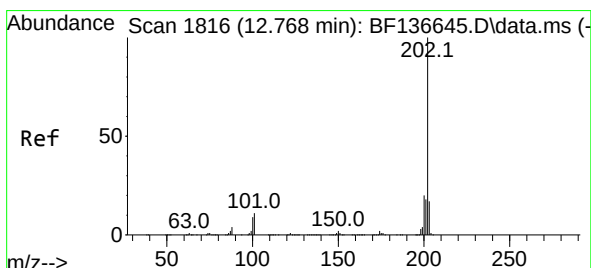
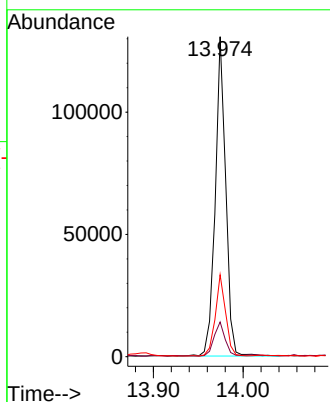
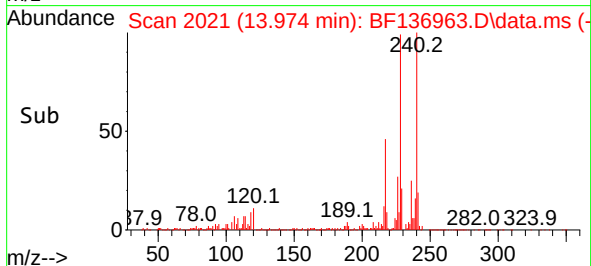
Tgt Ion:240 Resp: 105908
Ion Ratio Lower Upper
240 100
120 10.9 10.3 15.5
236 25.6 19.4 29.2

Manual Integrations

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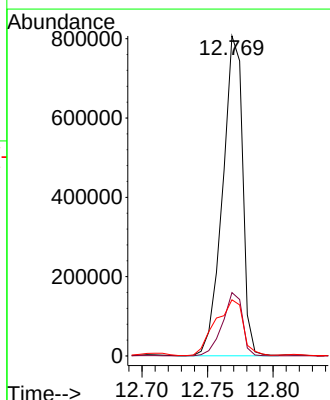
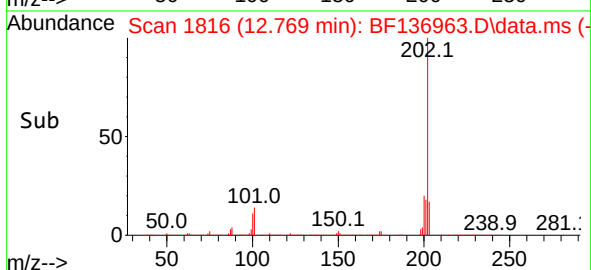
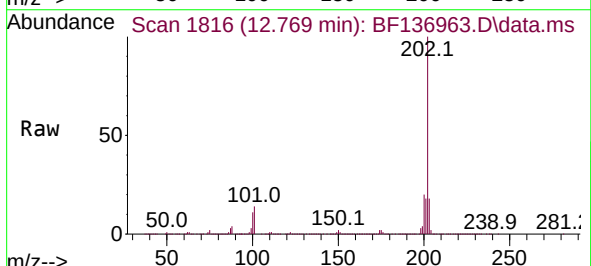
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

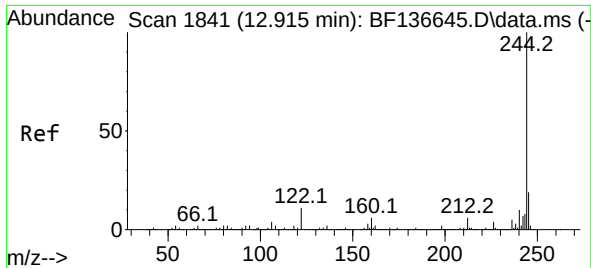
Supervised By :mohammad
ahmed
01/05/2024



#78
Pyrene
Concen: 82.221 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion:202 Resp: 854819
Ion Ratio Lower Upper
202 100
200 19.8 15.9 23.9
203 17.6 13.8 20.6





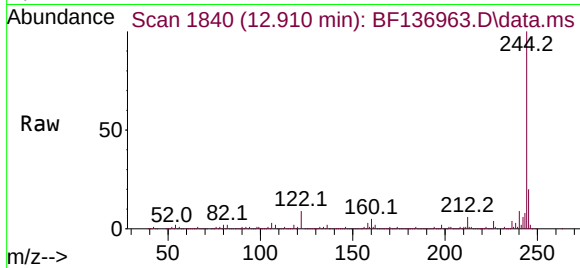
#79
 Terphenyl-d14
 Concen: 50.020 ng
 RT: 12.910 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF136963.D
 Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D



Tgt Ion:244 Resp: 37908
 Ion Ratio Lower Upper
 244 100
 212 5.6 5.0 7.4
 122 9.2 9.0 13.4

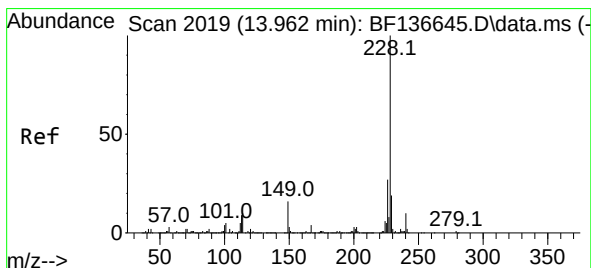
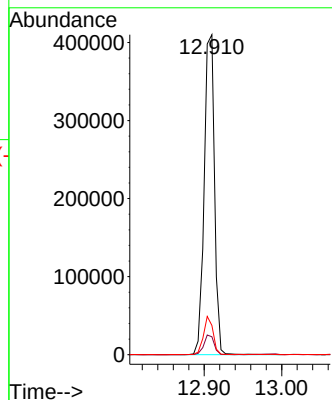
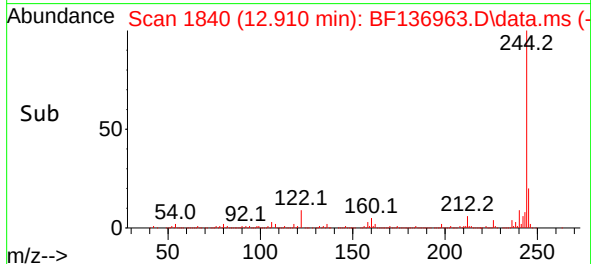
Manual Integrations

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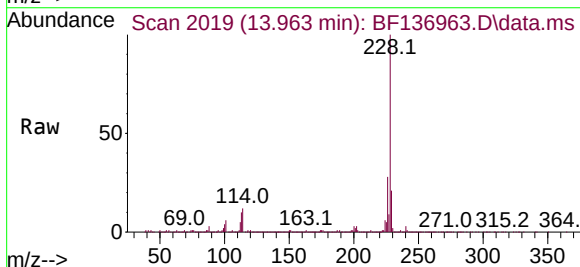
Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024

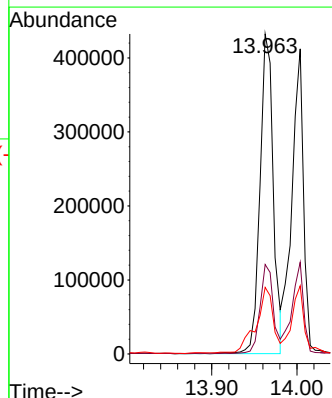
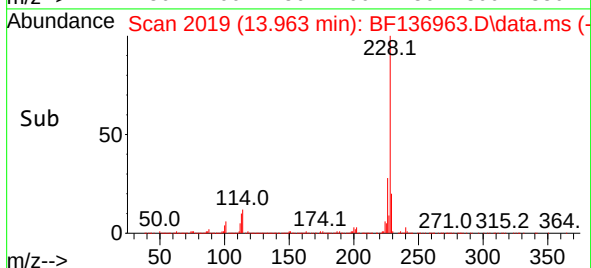
Supervised By :mohammad
 ahmed
 01/05/2024

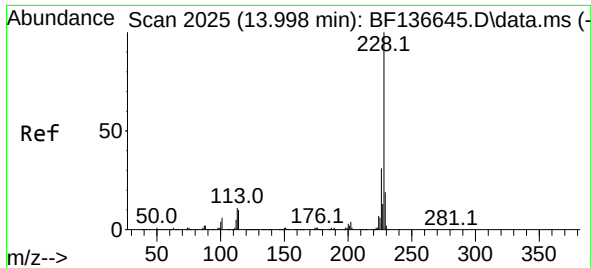


#81
 Benzo(a)anthracene
 Concen: 63.791 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF136963.D
 Acq: 05 Jan 2024 03:03



Tgt Ion:228 Resp: 469129
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.4 32.0
 229 20.8 14.9 22.3





#83
Chrysene
Concen: 54.841 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

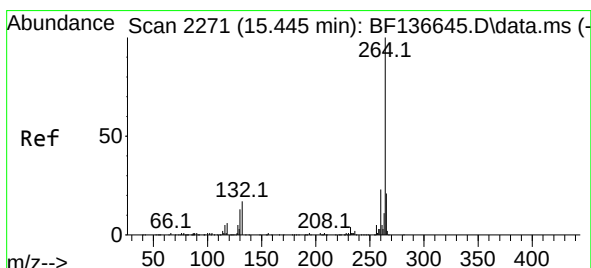
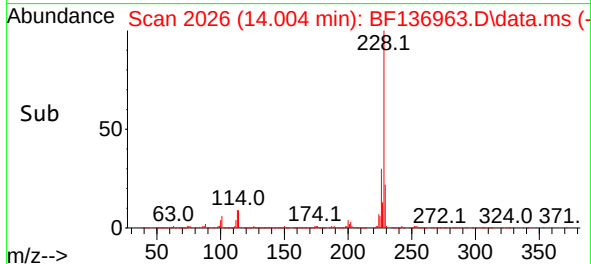
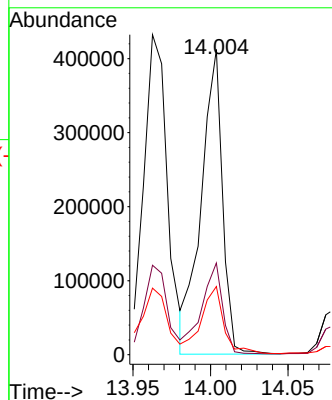
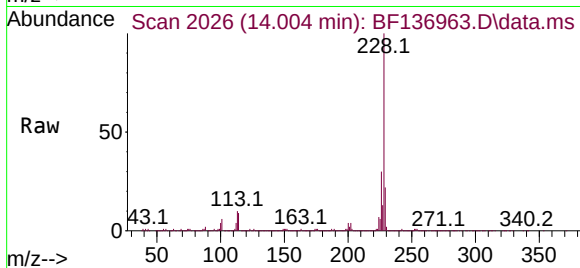
MR-317-0-2D

Tgt Ion:228 Resp: 39439
Ion Ratio Lower Upper
228 100
226 30.0 24.7 37.1
229 22.4 15.4 23.0

Manual Integrations
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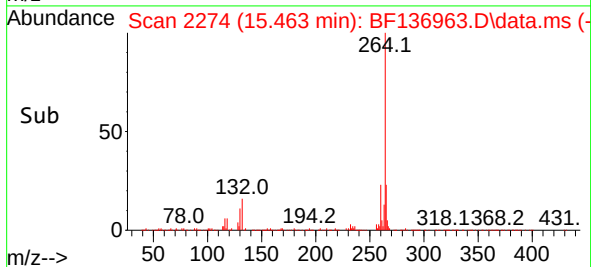
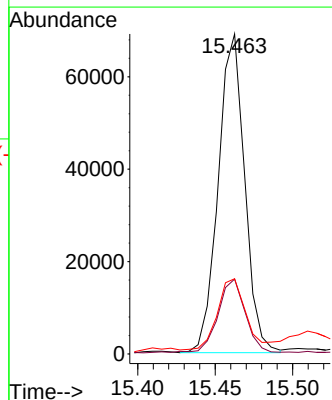
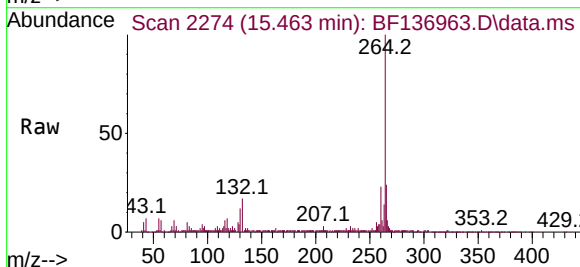
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

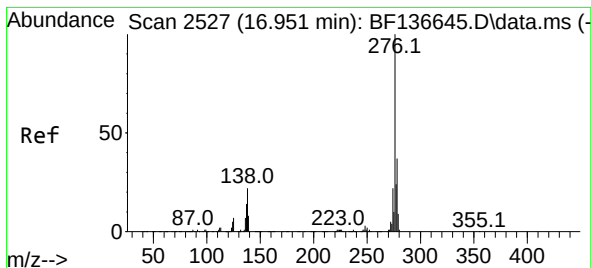
Supervised By :mohammad
ahmed
01/05/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2274
Delta R.T. 0.018 min
Lab File: BF136963.D
Acq: 05 Jan 2024 03:03

Tgt Ion:264 Resp: 81893
Ion Ratio Lower Upper
264 100
260 23.4 18.3 27.5
265 23.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 23.080 ng

RT: 16.980 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D

Tgt Ion:276 Resp: 136470

Ion	Ratio	Lower	Upper
276	100		
138	20.4	18.7	28.1
277	23.9	20.2	30.2

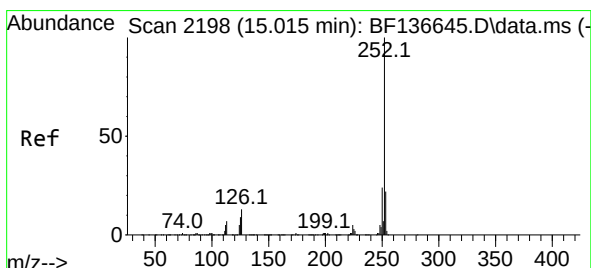
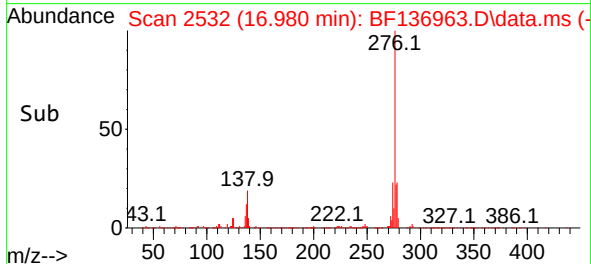
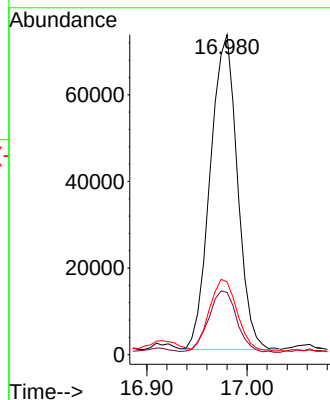
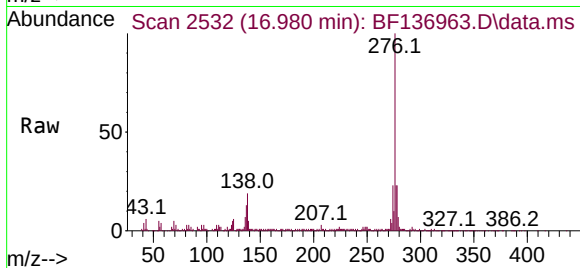
Manual Integrations

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Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024

Supervised By :mohammad
ahmed
01/05/2024



#88

Benzo(b)fluoranthene

Concen: 70.100 ng m

RT: 15.027 min Scan# 2200

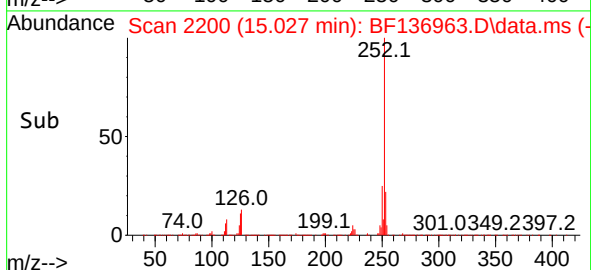
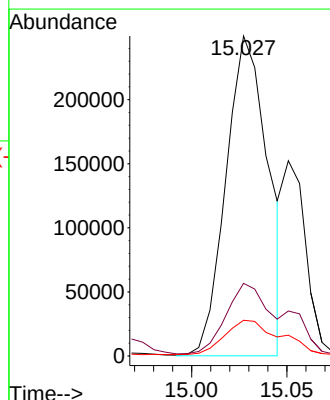
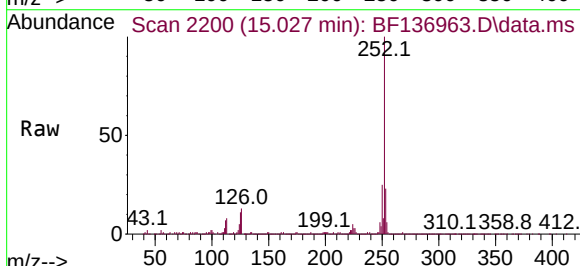
Delta R.T. 0.012 min

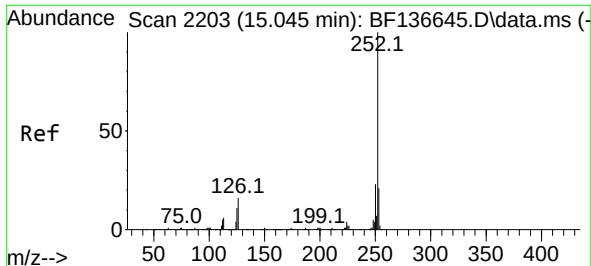
Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Tgt Ion:252 Resp: 383425

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	11.2	7.4	11.2#





#89

Benzo(k)fluoranthene

Concen: 24.172 ng m

RT: 15.051 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D

Tgt Ion:252 Resp: 124929
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 10.7 8.2 12.4

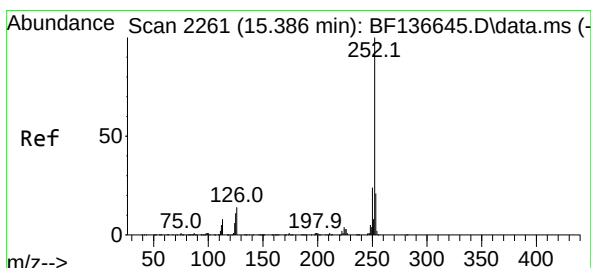
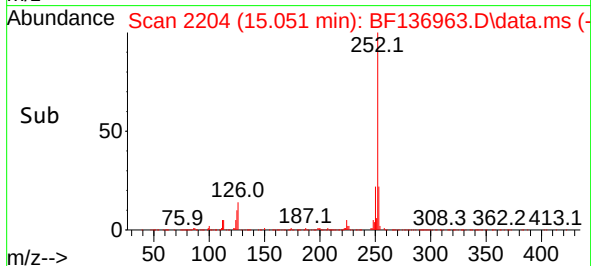
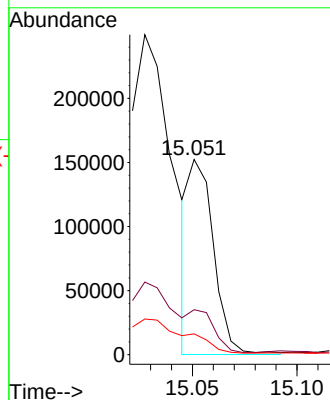
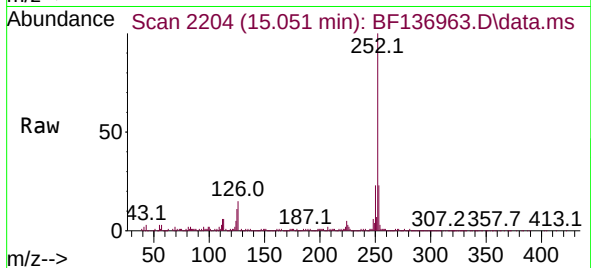
Manual Integrations

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Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024

Supervised By :mohammad
ahmed
01/05/2024



#90

Benzo(a)pyrene

Concen: 55.959 ng

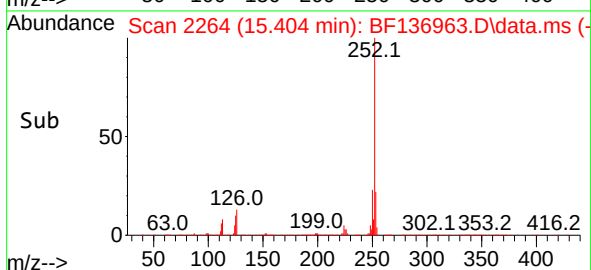
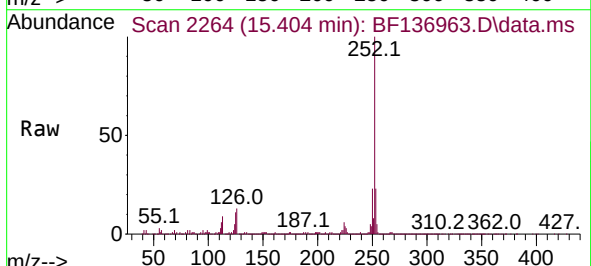
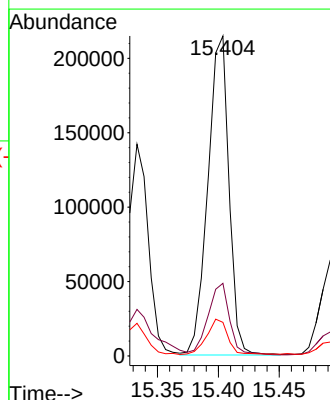
RT: 15.404 min Scan# 2264

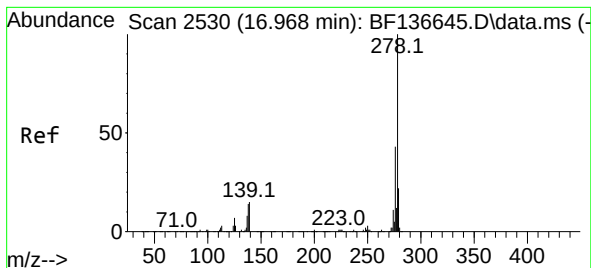
Delta R.T. 0.018 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Tgt Ion:252 Resp: 258363
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 10.5 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 7.957 ng

RT: 16.986 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2D

Tgt Ion:278 Resp: 3859

Ion	Ratio	Lower	Upper
278	100		
139	18.8	12.2	18.4
279	26.0	17.8	26.6

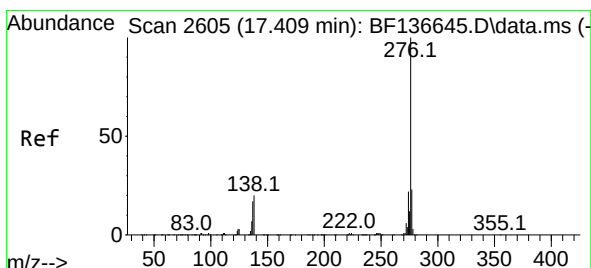
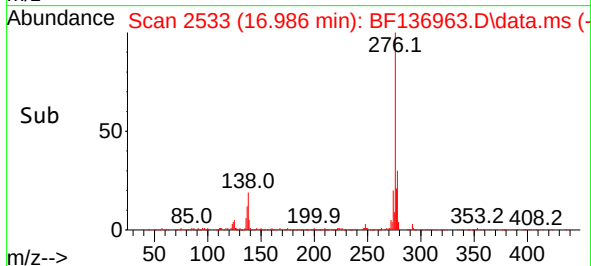
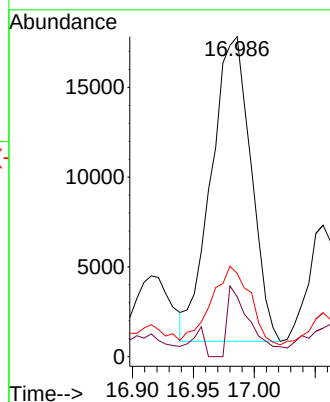
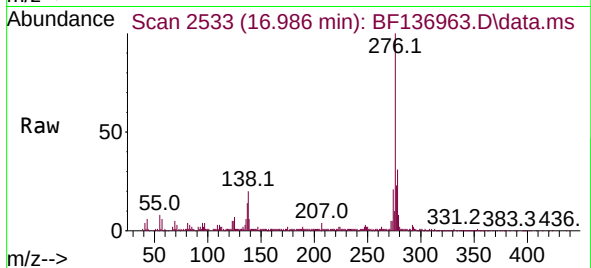
Manual Integrations

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Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024

Supervised By :mohammad
ahmed
01/05/2024



#92

Benzo(g,h,i)perylene

Concen: 26.796 ng

RT: 17.439 min Scan# 2610

Delta R.T. 0.030 min

Lab File: BF136963.D

Acq: 05 Jan 2024 03:03

Tgt Ion:276 Resp: 133132

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.3	27.5
138	18.3	15.6	23.4

