

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136979.D
 Acq On : 05 Jan 2024 16:55
 Operator : CG\JU
 Sample : 06015-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-323-6-8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/06/2024
 Supervised By :mohammad ahmed 01/06/2024

Quant Time: Jan 05 17:23:15 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	55636	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	196355	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	86156	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	150957	20.000	ng	0.00
76) Chrysene-d12	13.968	240	137583	20.000	ng	0.00
86) Perylene-d12	15.456	264	143660	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	296006	83.013	ng	0.00
7) Phenol-d6	6.434	99	356048	77.061	ng	0.00
23) Nitrobenzene-d5	7.345	82	218232	56.872	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	75743	74.647	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	406042	63.387	ng	-0.02
79) Terphenyl-d14	12.904	244	410029	41.648	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	104357	13.473	ng	99
72) Anthracene	11.386	178	21886	2.790	ng	96
75) Fluoranthene	12.527	202	132173	15.953	ng	98
78) Pyrene	12.763	202	129036	9.554	ng	97
81) Benzo(a)anthracene	13.957	228	70762	7.407	ng	97
83) Chrysene	13.992	228	62831	6.725	ng	94
87) Indeno(1,2,3-cd)pyrene	16.968	276	23675	2.282	ng	99
88) Benzo(b)fluoranthene	15.021	252	72660m	7.573	ng	
89) Benzo(k)fluoranthene	15.045	252	19790m	2.183	ng	
90) Benzo(a)pyrene	15.392	252	48566	5.996	ng	# 94
92) Benzo(g,h,i)perylene	17.427	276	21459	2.462	ng	98

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

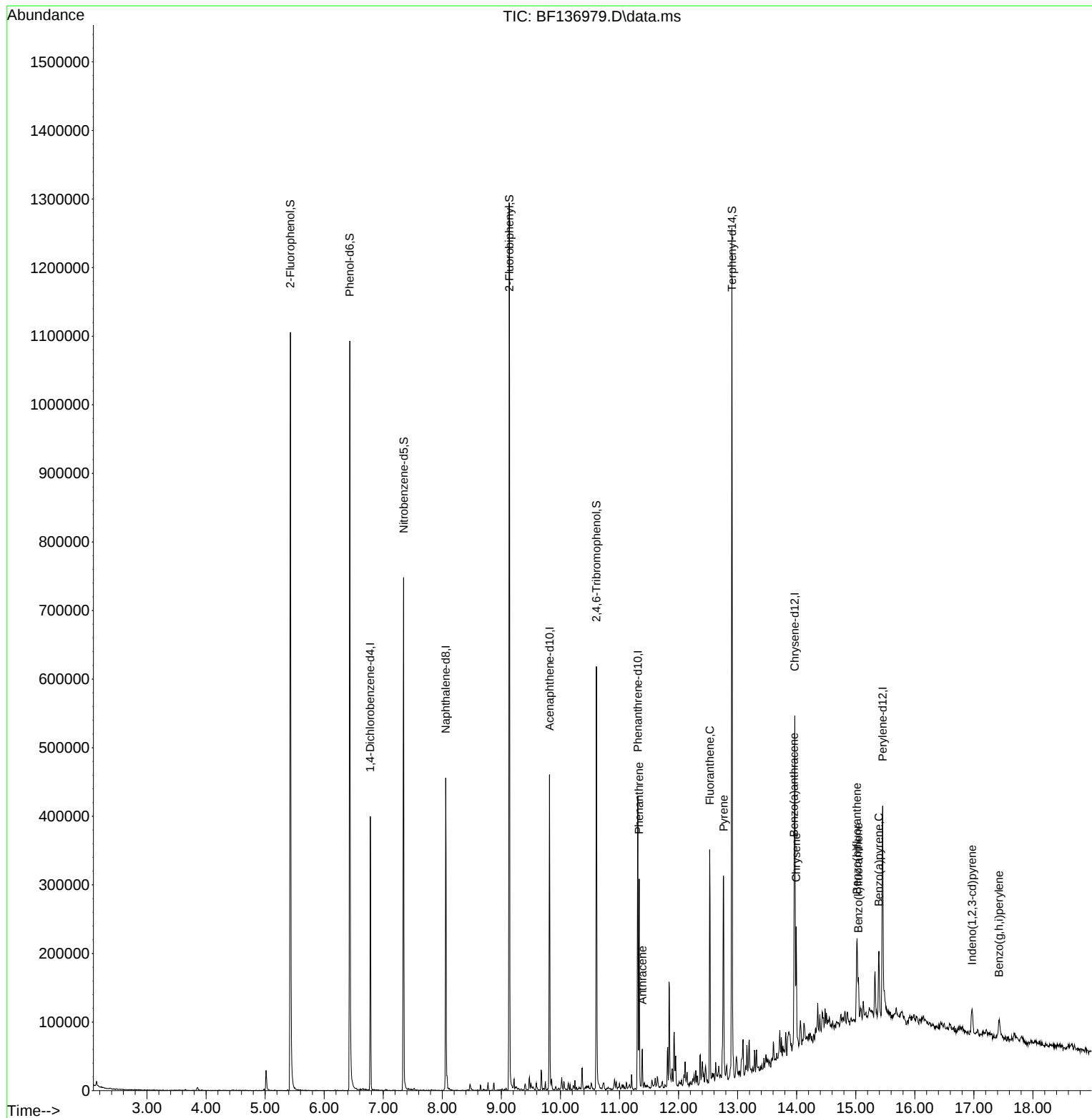
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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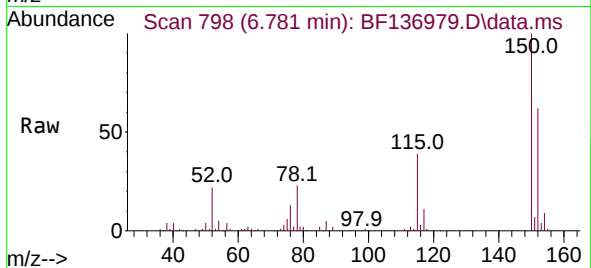
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

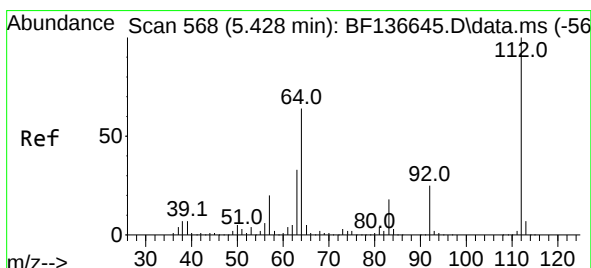
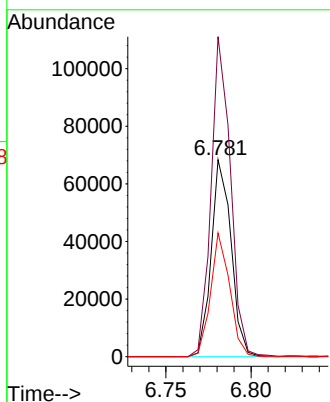
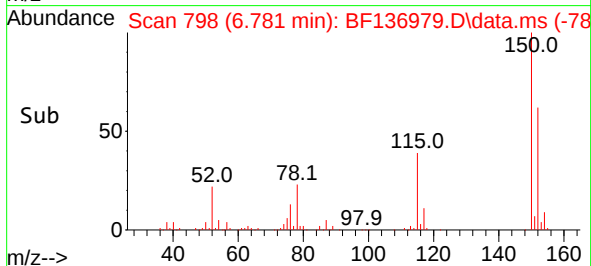
Instrument :
BNA_F
ClientSampleId :
MR-323-6-8



Tgt Ion:152 Resp: 55630
Ion Ratio Lower Upper
152 100
150 162.5 127.0 190.6
115 62.8 49.0 73.4

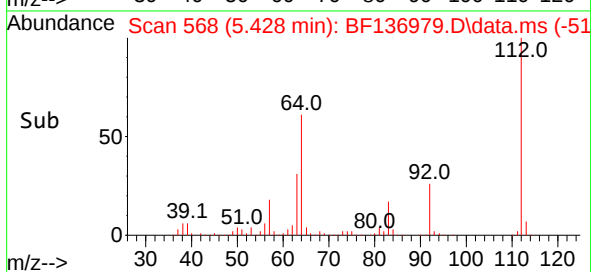
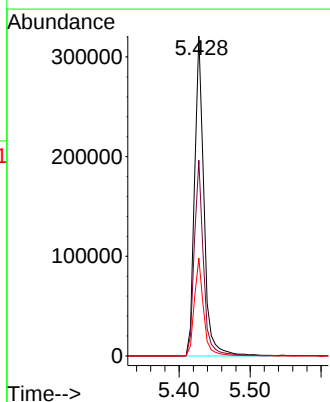
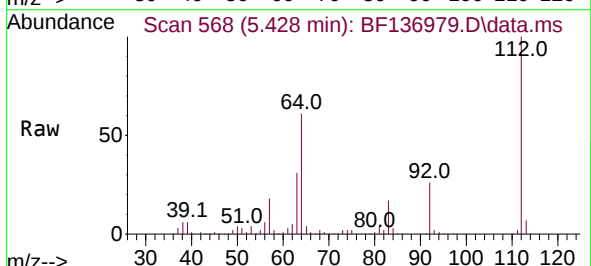
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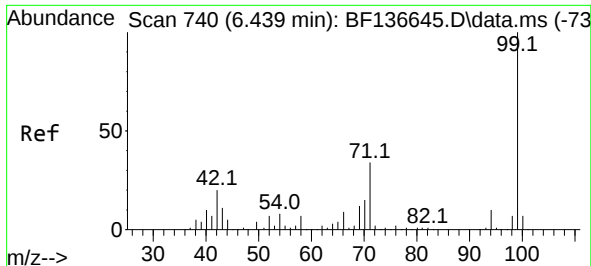
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#5
2-Fluorophenol
Concen: 83.013 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

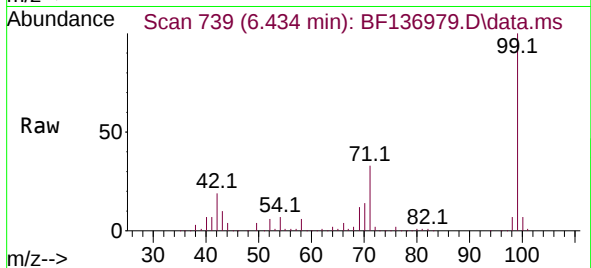
Tgt Ion:112 Resp: 296006
Ion Ratio Lower Upper
112 100
64 61.2 51.1 76.7
63 30.5 26.1 39.1





#7
Phenol-d6
Concen: 77.061 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

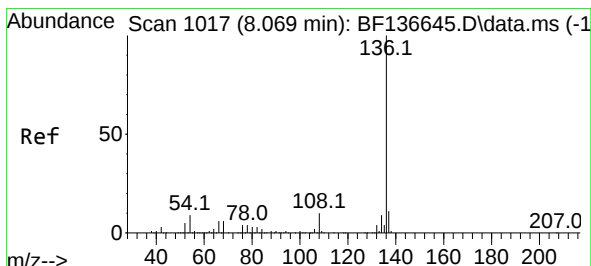
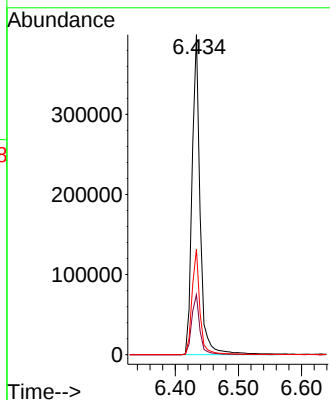
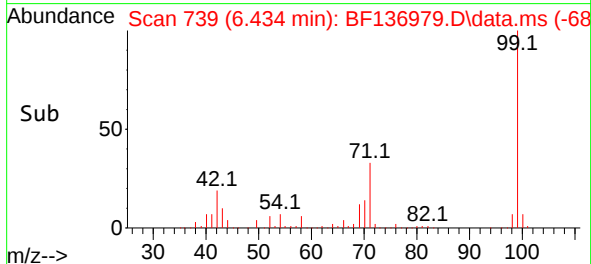
Instrument :
BNA_F
ClientSampleId :
MR-323-6-8



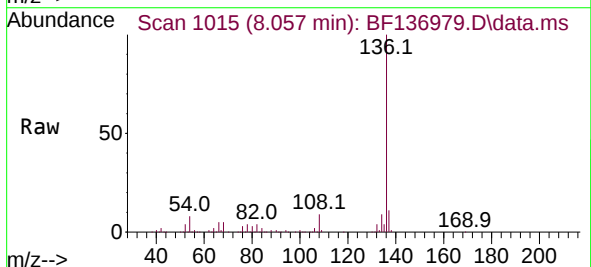
Tgt Ion: 99 Resp: 356048
Ion Ratio Lower Upper
99 100
42 18.8 16.1 24.1
71 33.0 27.4 41.2

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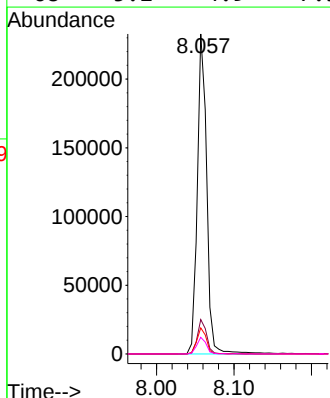
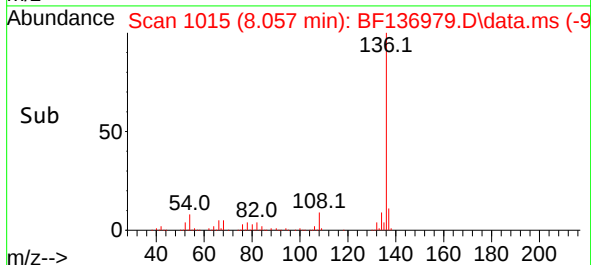
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

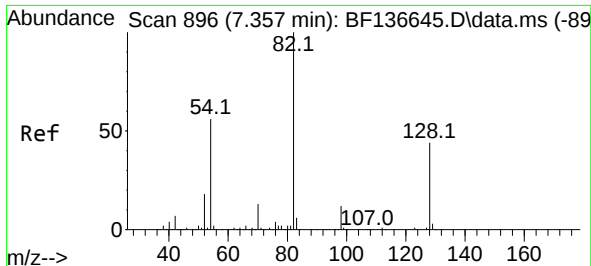


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55



Tgt Ion:136 Resp: 196355
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.2 7.2 10.8
68 5.2 4.9 7.3





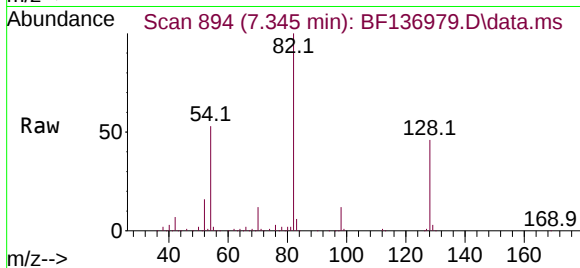
#23
Nitrobenzene-d5
Concen: 56.872 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Instrument :

BNA_F

ClientSampleId :

MR-323-6-8

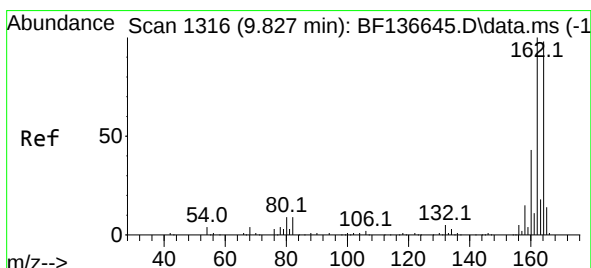
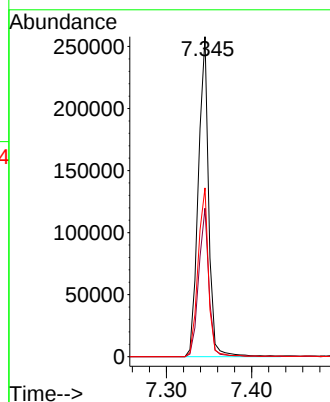
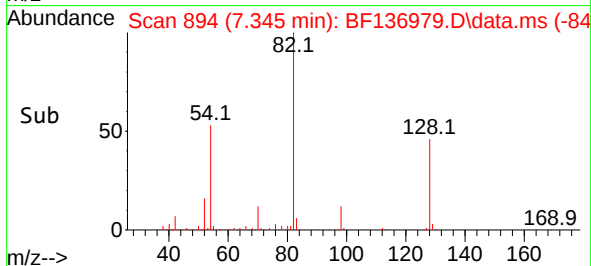


Tgt Ion: 82 Resp: 21823
Ion Ratio Lower Upper
82 100
128 46.4 35.3 52.9
54 52.8 44.5 66.7

Manual Integrations

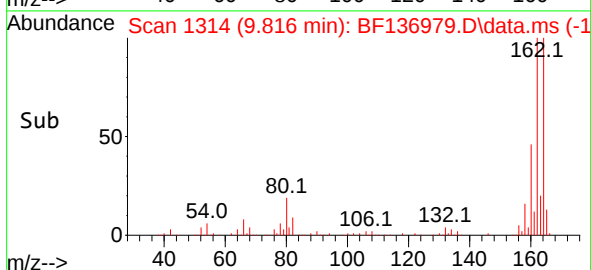
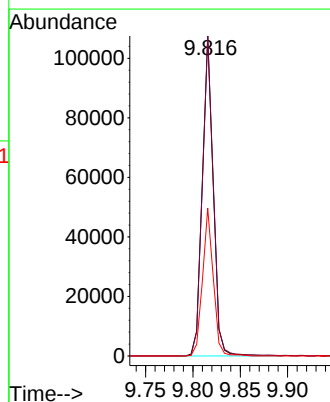
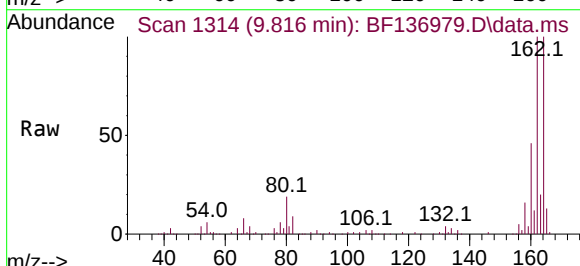
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Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Tgt Ion:164 Resp: 86156
Ion Ratio Lower Upper
164 100
162 99.9 81.6 122.4
160 46.2 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 74.647 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Instrument :

BNA_F

ClientSampleId :

MR-323-6-8

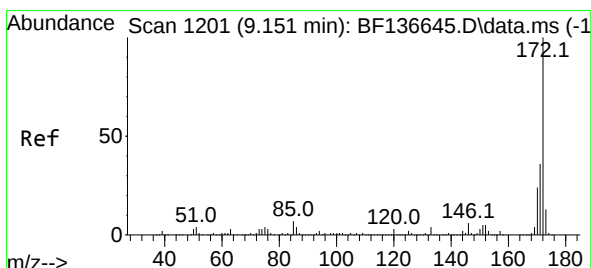
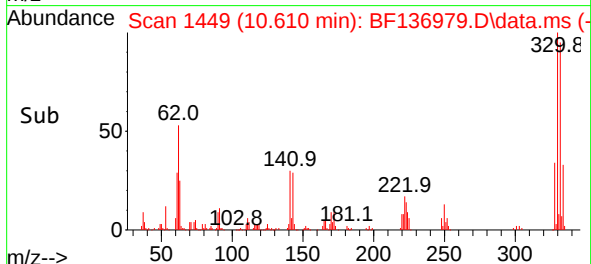
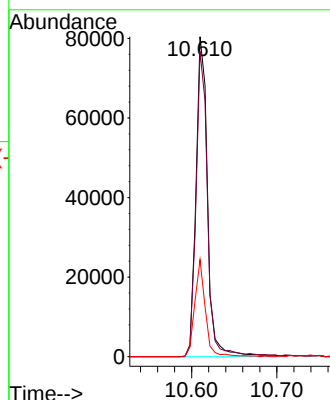
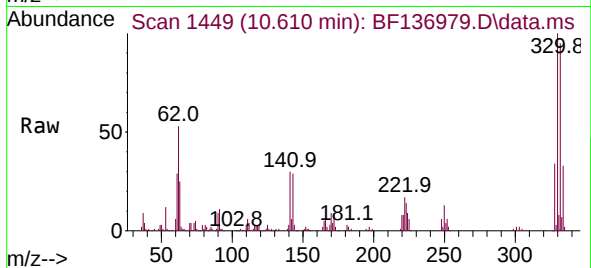
Tgt Ion:330 Resp: 7574
Ion Ratio Lower Upper
330 100
332 95.3 77.4 116.0
141 28.0 23.4 35.2

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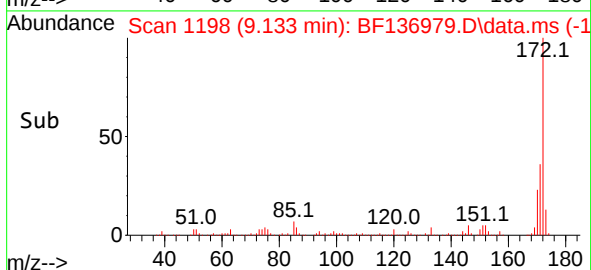
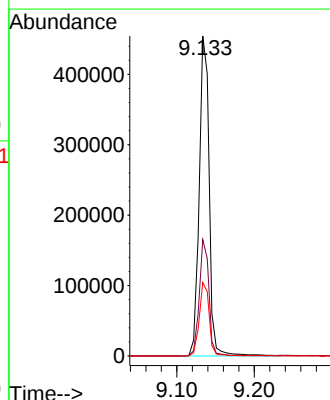
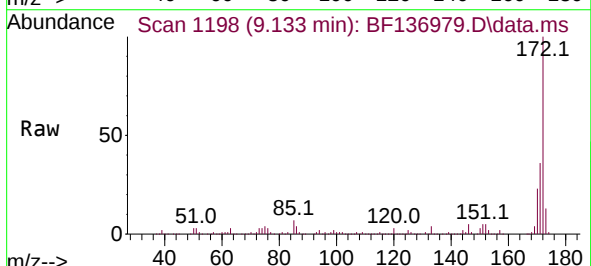
Reviewed By :Yogesh Patel 01/06/2024

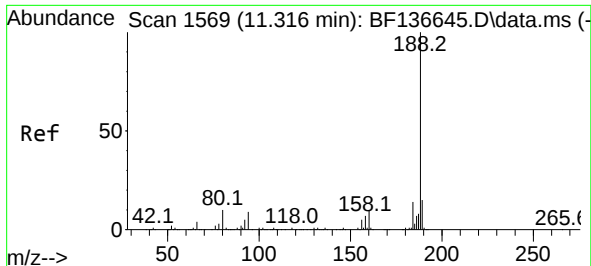
Supervised By :mohammad ahmed 01/06/2024



#45
2-Fluorobiphenyl
Concen: 63.387 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Tgt Ion:172 Resp: 406042
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 23.0 19.0 28.4





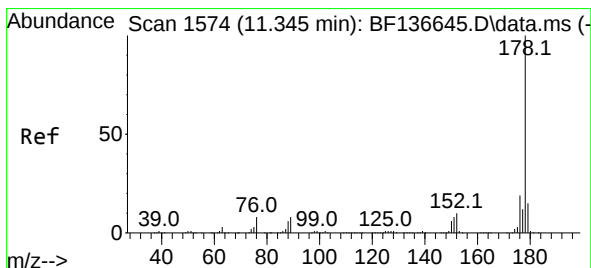
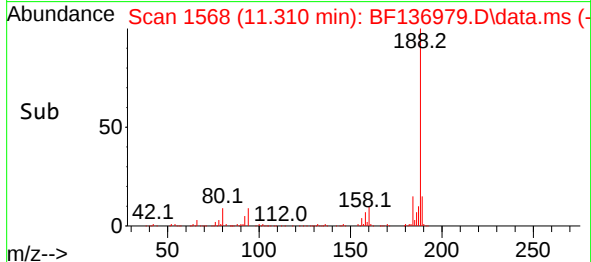
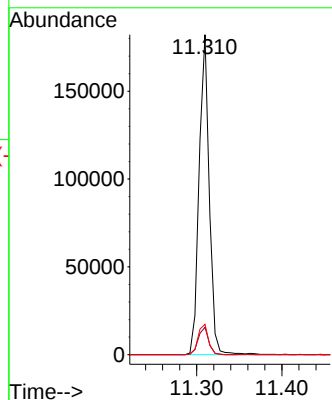
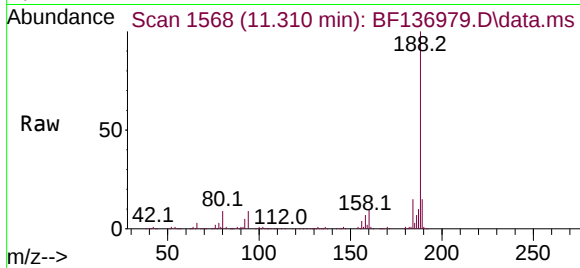
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Instrument :
BNA_F
ClientSampleId :
MR-323-6-8

Tgt Ion:188 Resp: 15095
Ion Ratio Lower Upper
188 100
94 8.6 7.5 11.3
80 9.5 8.1 12.1

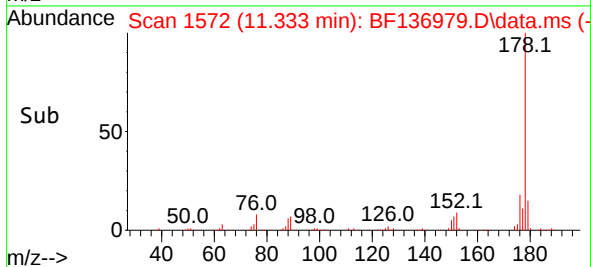
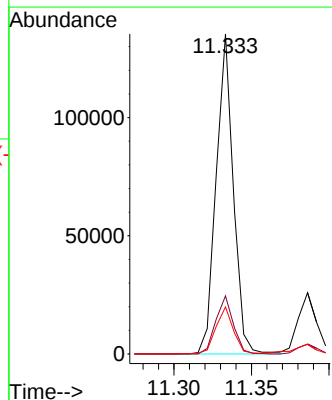
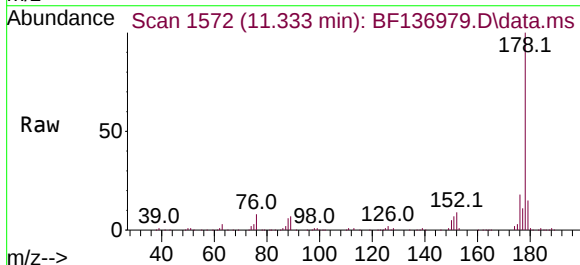
Manual Integrations
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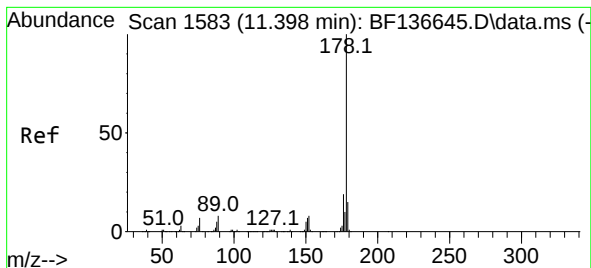
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#71
Phenanthrene
Concen: 13.473 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Tgt Ion:178 Resp: 104357
Ion Ratio Lower Upper
178 100
176 18.2 15.3 22.9
179 14.7 11.9 17.9





#72

Anthracene

Concen: 2.790 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

Instrument :

BNA_F

ClientSampleId :

MR-323-6-8

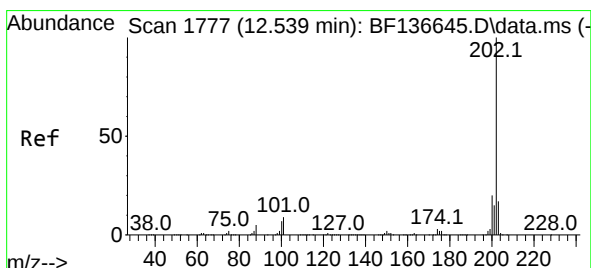
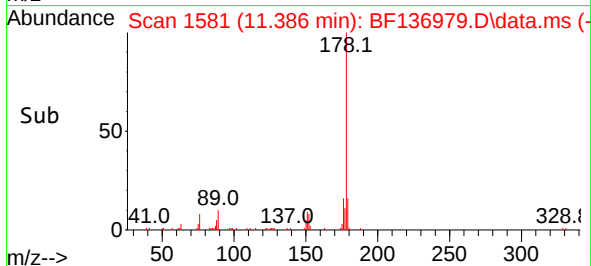
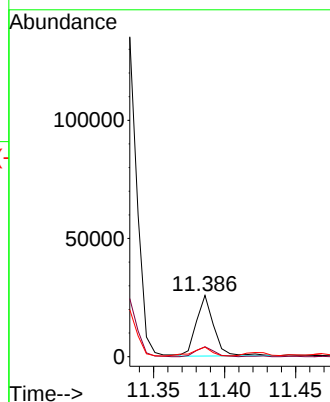
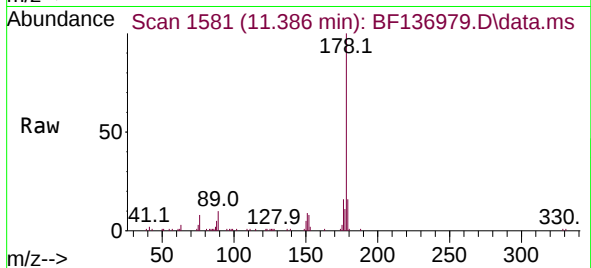
Tgt Ion:178	Resp:	2188
Ion Ratio	Lower	Upper
178	100	
176	16.4	14.9 22.3
179	15.6	11.8 17.6

Manual Integrations

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Supervised By :mohammad ahmed 01/06/2024



#75

Fluoranthene

Concen: 15.953 ng

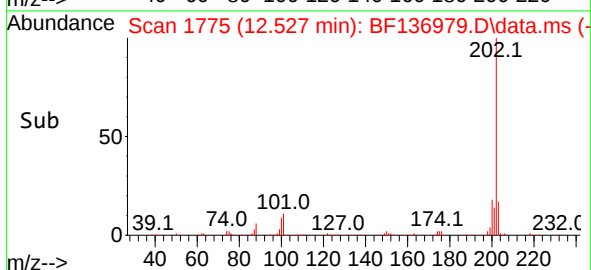
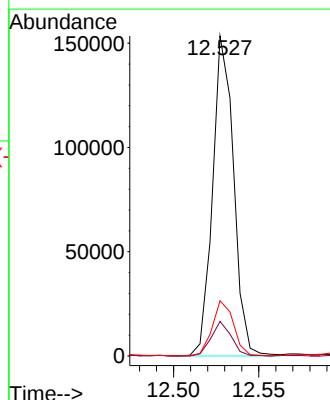
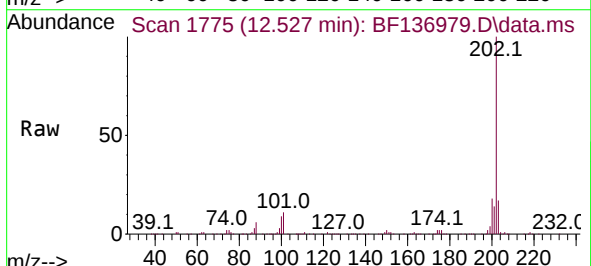
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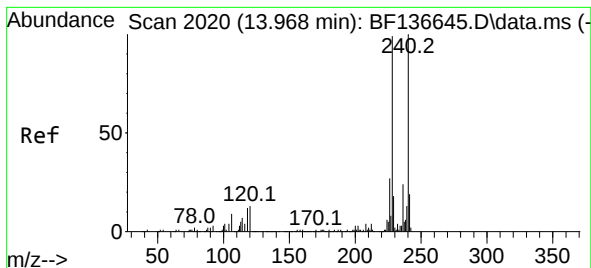
Delta R.T. -0.012 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

Tgt Ion:202	Resp:	132173
Ion Ratio	Lower	Upper
202	100	
101	10.8	0.0 29.3
203	17.2	0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

Instrument :

BNA_F

ClientSampleId :

MR-323-6-8

Tgt Ion:240 Resp: 13758

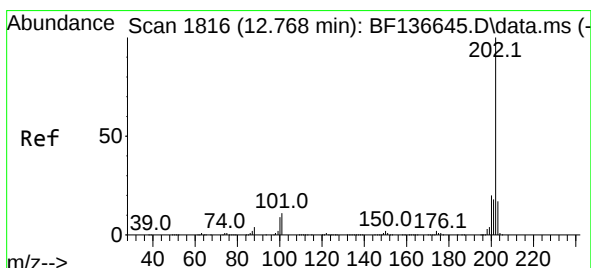
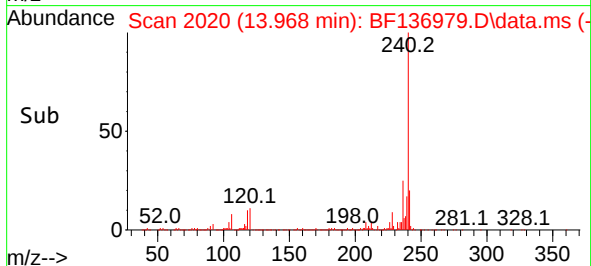
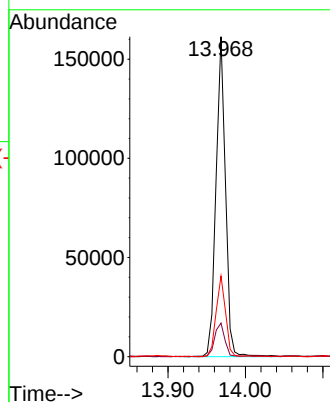
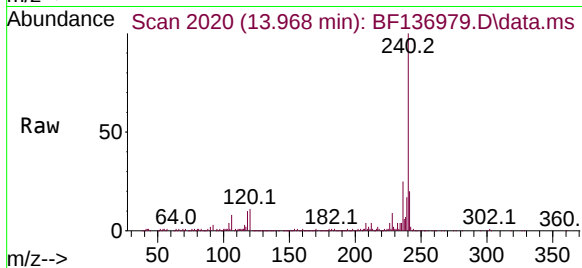
Ion	Ratio	Lower	Upper
240	100		
120	10.5	10.3	15.5
236	25.2	19.4	29.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#78

Pyrene

Concen: 9.554 ng

RT: 12.763 min Scan# 1815

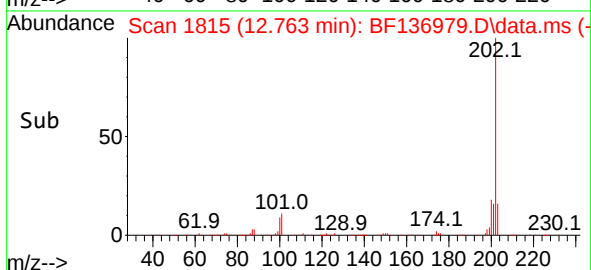
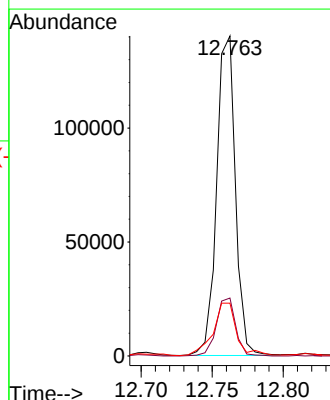
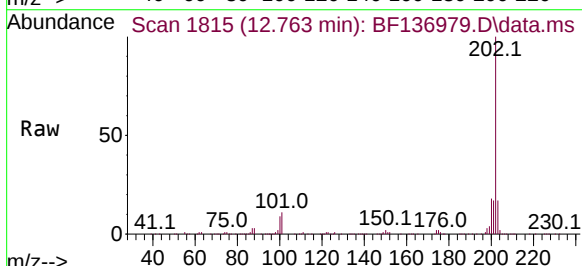
Delta R.T. -0.006 min

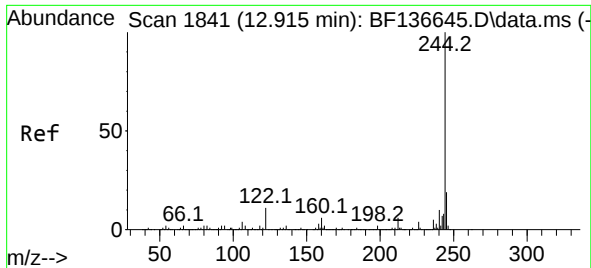
Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

Tgt Ion:202 Resp: 129036

Ion	Ratio	Lower	Upper
202	100		
200	18.1	15.9	23.9
203	16.5	13.8	20.6





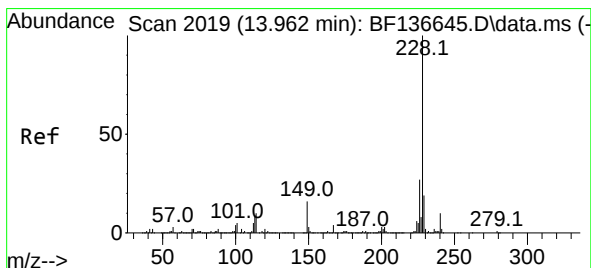
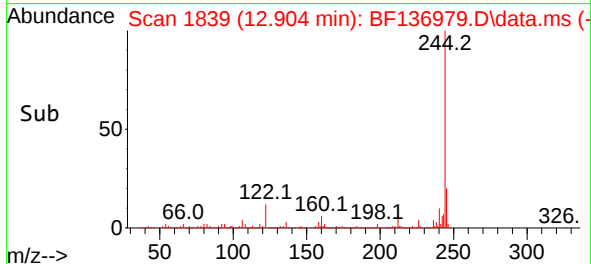
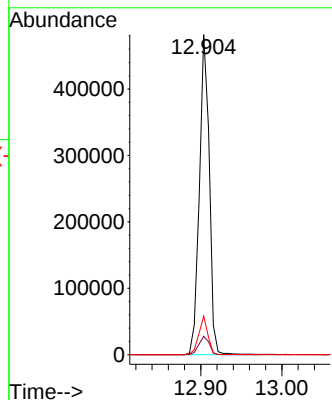
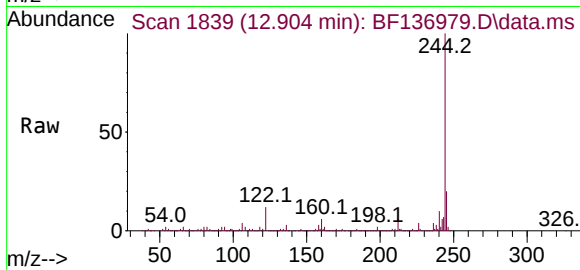
#79
 Terphenyl-d14
 Concen: 41.648 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136979.D
 Acq: 05 Jan 2024 16:55

Instrument :
 BNA_F
 ClientSampleId :
 MR-323-6-8

Tgt Ion:244 Resp: 410029
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.0 7.4
 122 12.1 9.0 13.4

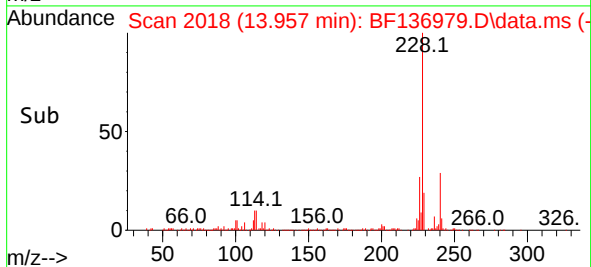
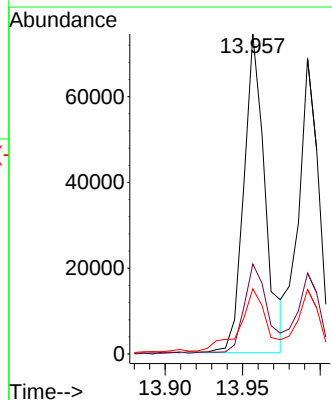
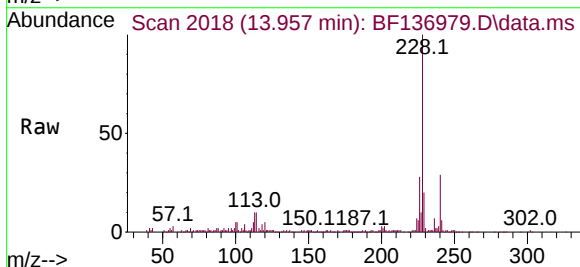
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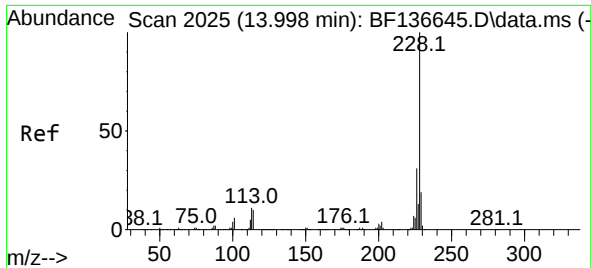
Reviewed By :Yogesh Patel 01/06/2024
 Supervised By :mohammad ahmed 01/06/2024



#81
 Benzo(a)anthracene
 Concen: 7.407 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF136979.D
 Acq: 05 Jan 2024 16:55

Tgt Ion:228 Resp: 70762
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.4 32.0
 229 20.4 14.9 22.3





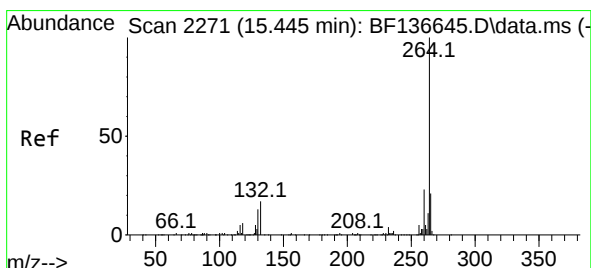
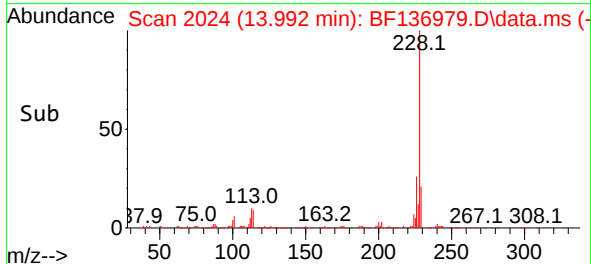
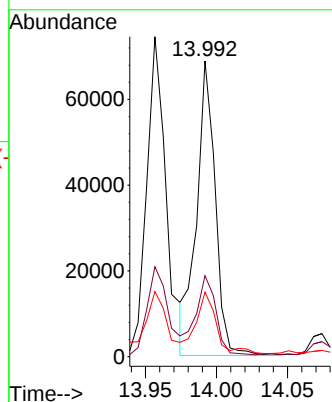
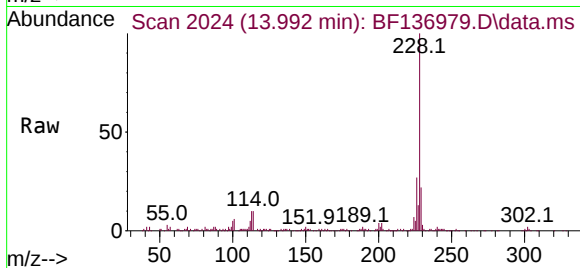
#83
Chrysene
Concen: 6.725 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Instrument :
BNA_F
ClientSampleId :
MR-323-6-8

Tgt Ion:228 Resp: 6283
Ion Ratio Lower Upper
228 100
226 27.4 24.7 37.1
229 21.8 15.4 23.0

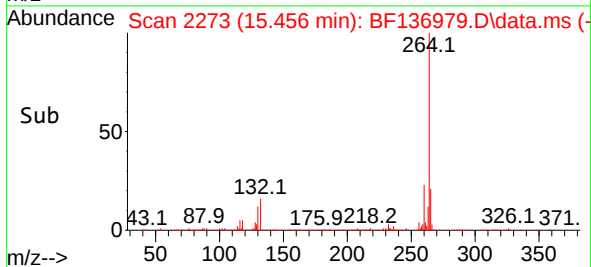
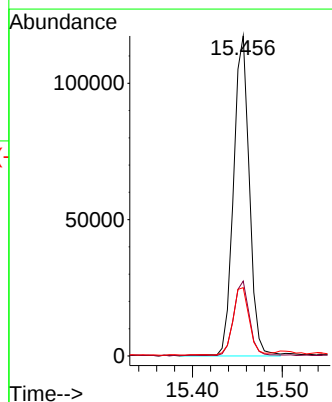
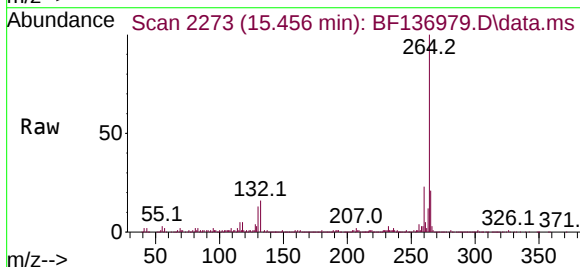
Manual Integrations
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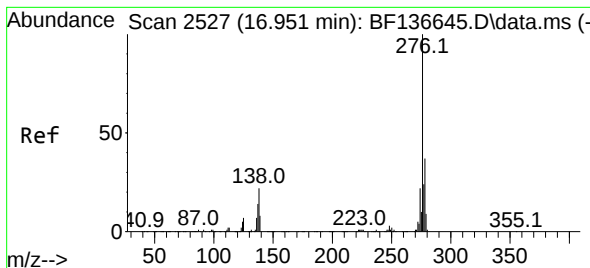
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.456 min Scan# 2273
Delta R.T. 0.012 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Tgt Ion:264 Resp: 143660
Ion Ratio Lower Upper
264 100
260 23.4 18.3 27.5
265 21.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.282 ng

RT: 16.968 min Scan# 2199

Delta R.T. 0.018 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

Instrument :

BNA_F

ClientSampleId :

MR-323-6-8

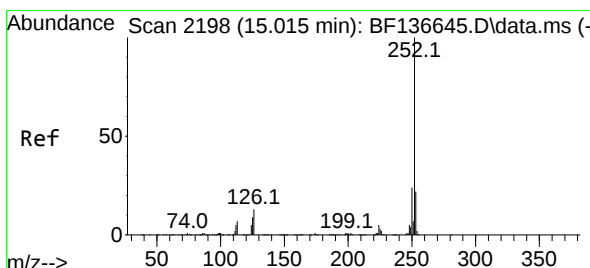
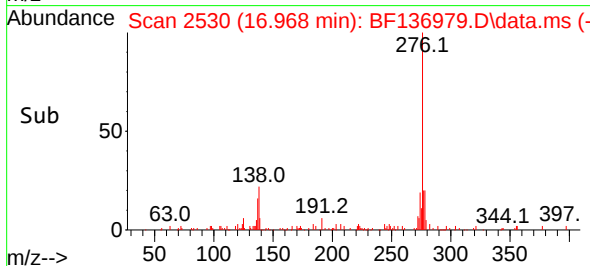
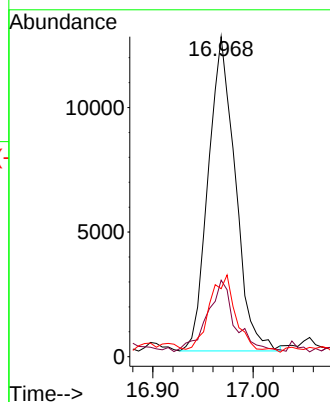
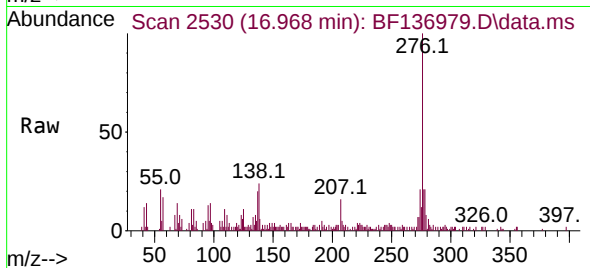
Tgt Ion:	276	Resp:	2367
Ion Ratio	Lower	Upper	
276	100		
138	23.1	18.7	28.1
277	24.5	20.2	30.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#88

Benzo(b)fluoranthene

Concen: 7.573 ng m

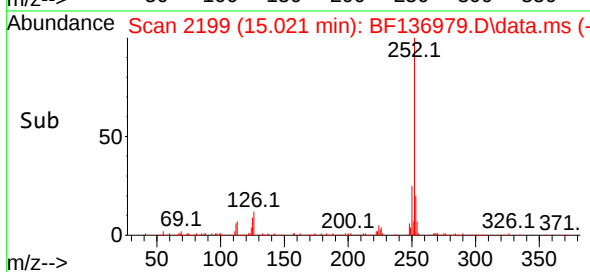
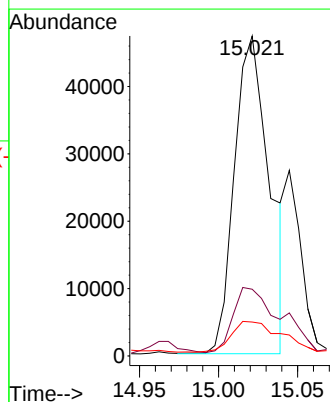
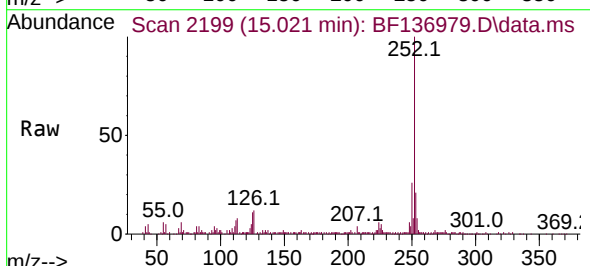
RT: 15.021 min Scan# 2199

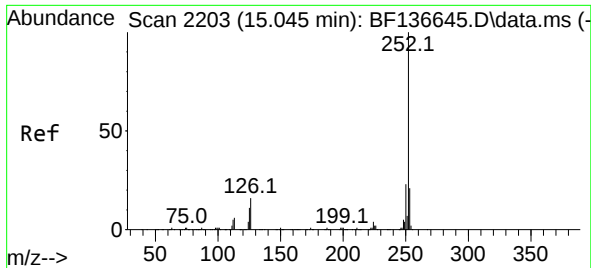
Delta R.T. 0.006 min

Lab File: BF136979.D

Acq: 05 Jan 2024 16:55

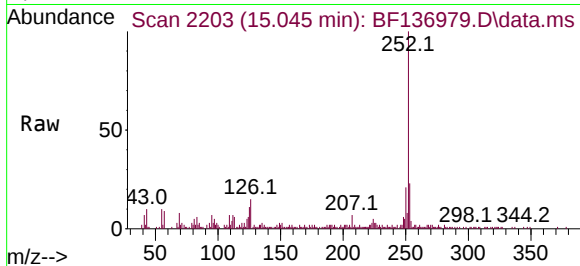
Tgt Ion:	252	Resp:	72660
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.4	26.0
125	10.6	7.4	11.2





#89
Benzo(k)fluoranthene
Concen: 2.183 ng m
RT: 15.045 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

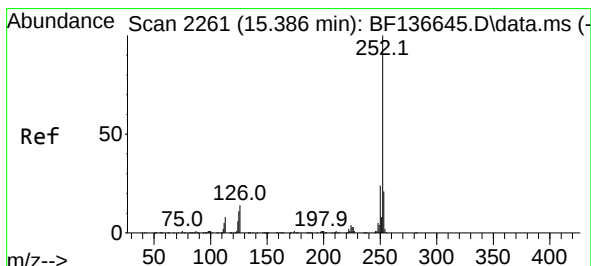
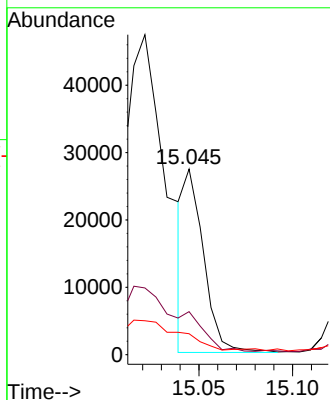
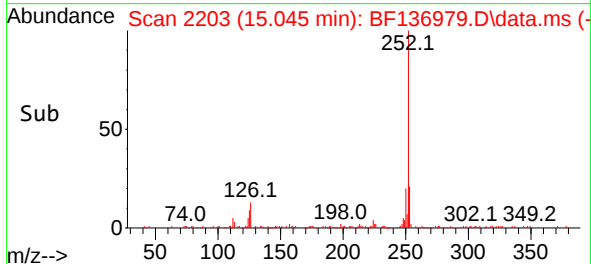
Instrument :
BNA_F
ClientSampleId :
MR-323-6-8



Tgt Ion:252 Resp: 19790
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 11.3 8.2 12.4

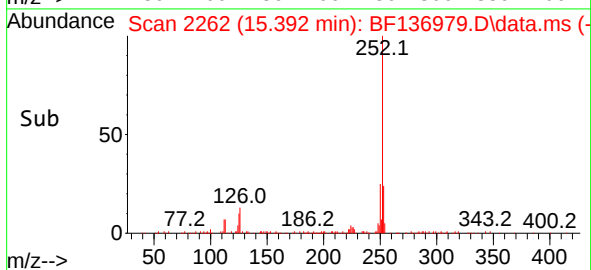
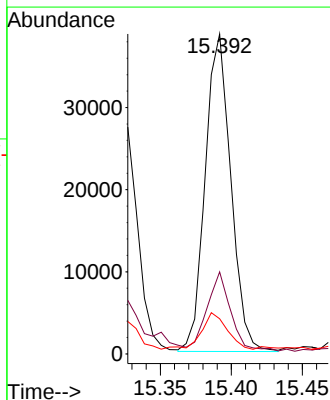
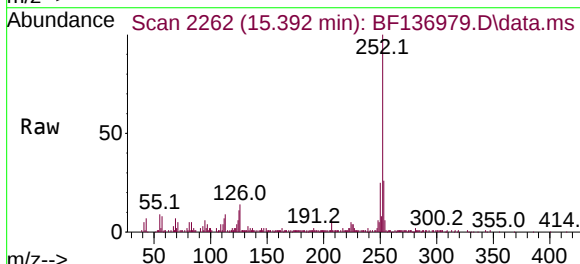
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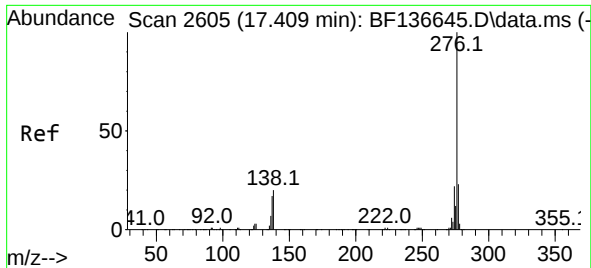
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#90
Benzo(a)pyrene
Concen: 5.996 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.006 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

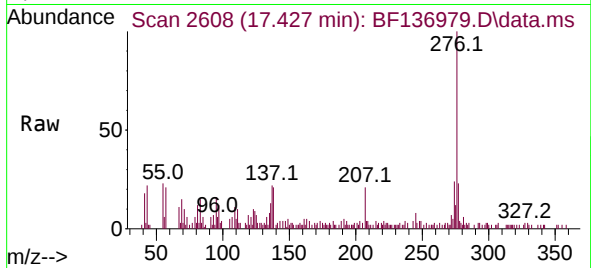
Tgt Ion:252 Resp: 48566
Ion Ratio Lower Upper
252 100
253 25.7 17.0 25.6#
125 11.0 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 2.462 ng
RT: 17.427 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF136979.D
Acq: 05 Jan 2024 16:55

Instrument :
BNA_F
ClientSampleId :
MR-323-6-8



Tgt Ion: 276 Resp: 21458
Ion Ratio Lower Upper
276 100
277 23.2 18.3 27.5
138 21.4 15.6 23.4

Manual Integrations
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Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

