

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136980.D
 Acq On : 05 Jan 2024 17:26
 Operator : CG\JU
 Sample : 06015-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-323-0-2

Manual Integrations
 APPROVED

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

Quant Time: Jan 05 22:50:48 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	56703	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	193036	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	86944	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	152223	20.000	ng	0.00
76) Chrysene-d12	13.968	240	134157	20.000	ng	0.00
86) Perylene-d12	15.462	264	134022	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	315305	86.762	ng	0.00
7) Phenol-d6	6.434	99	373298	79.274	ng	0.00
23) Nitrobenzene-d5	7.345	82	229128	60.739	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	82361	80.434	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	395246	61.143	ng	-0.02
79) Terphenyl-d14	12.904	244	393069	40.945	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	67545	8.648	ng	98
75) Fluoranthene	12.533	202	128477	15.378	ng	100
78) Pyrene	12.762	202	109050	8.280	ng	99
81) Benzo(a)anthracene	13.957	228	60556	6.500	ng	92
83) Chrysene	13.998	228	67184	7.375	ng	96
84) Bis(2-ethylhexyl)phtha...	13.945	149	15460	2.564	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.974	276	30494	3.151	ng	98
88) Benzo(b)fluoranthene	15.021	252	88636m	9.902	ng	
89) Benzo(k)fluoranthene	15.045	252	31428m	3.716	ng	
90) Benzo(a)pyrene	15.392	252	57199	7.570	ng	# 93
92) Benzo(g,h,i)perylene	17.439	276	28035	3.448	ng	# 93

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

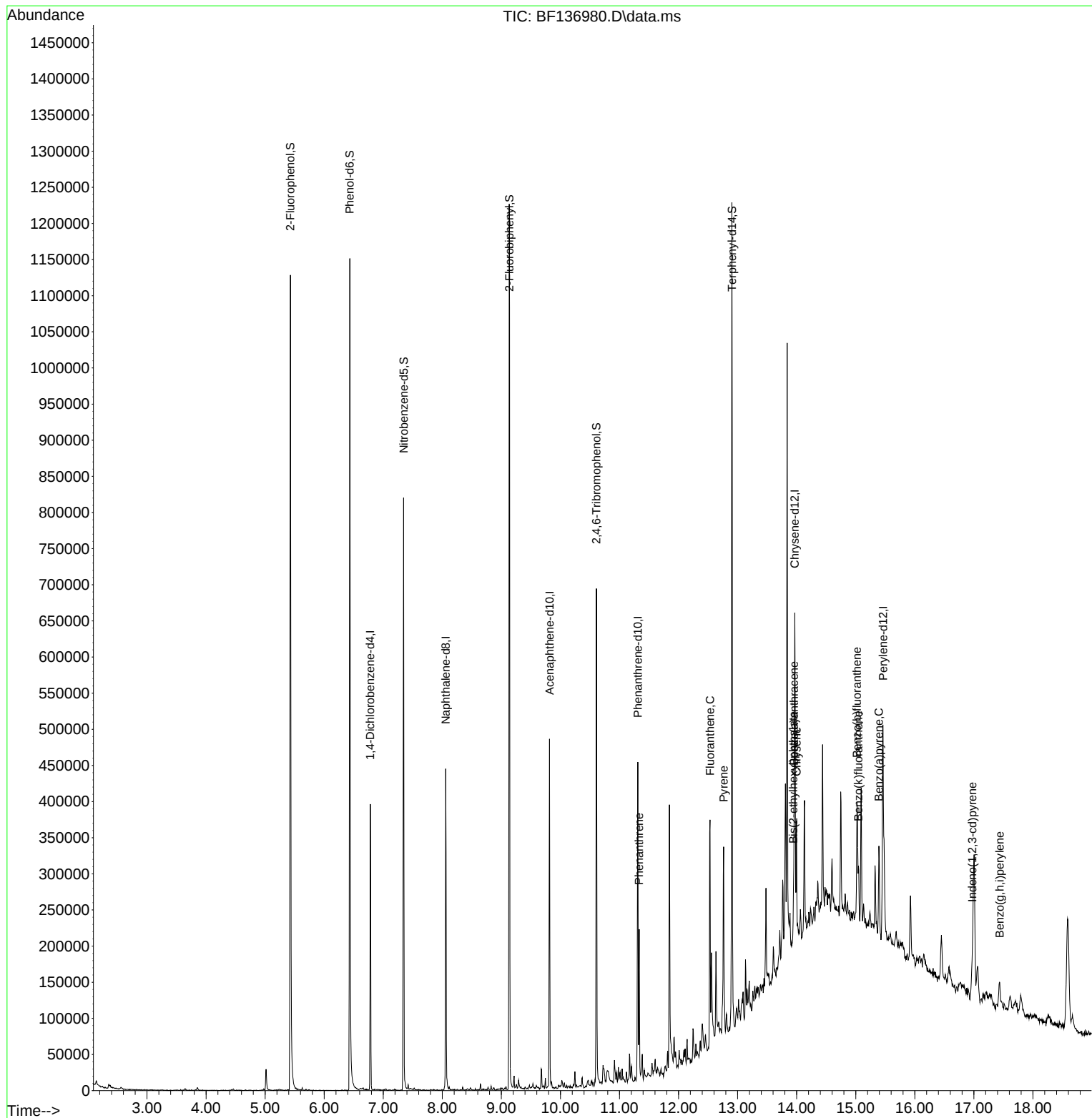
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
Data File : BF136980.D
Acq On : 05 Jan 2024 17:26
Operator : CG\JU
Sample : 06015-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

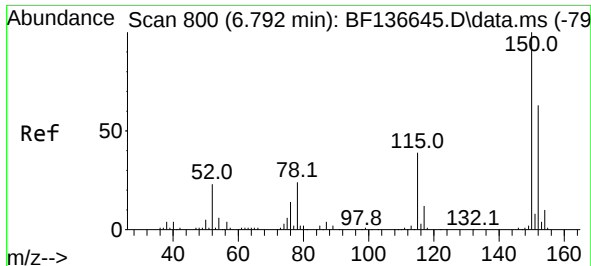
Instrument :
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Quant Time: Jan 05 22:50:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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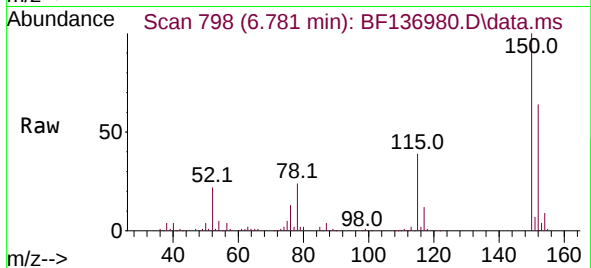
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

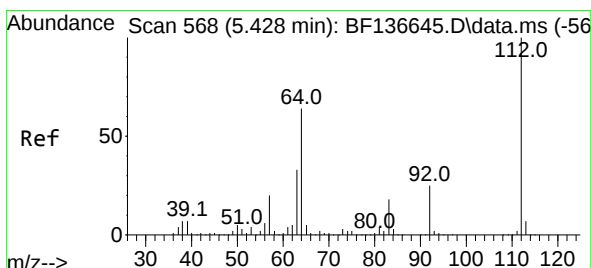
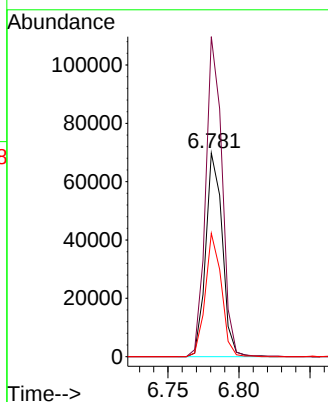
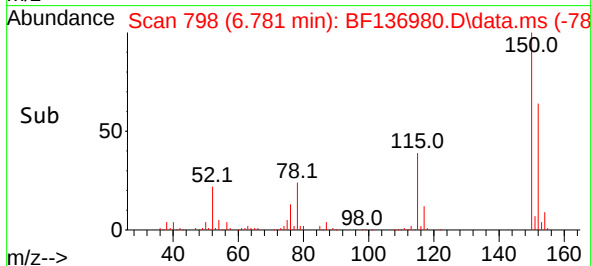
Instrument :
BNA_F
ClientSampleId :
MR-323-0-2



Tgt Ion:152 Resp: 5670
Ion Ratio Lower Upper
152 100
150 157.1 127.0 190.6
115 60.6 49.0 73.4

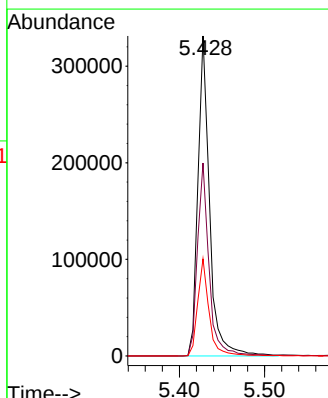
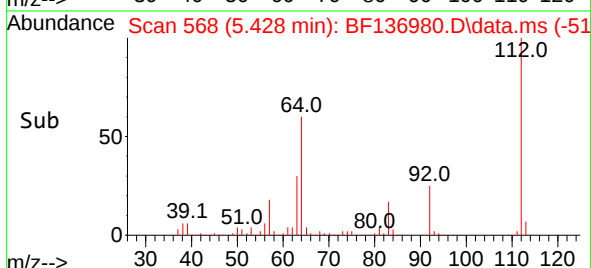
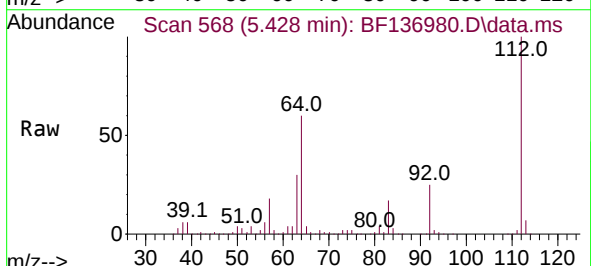
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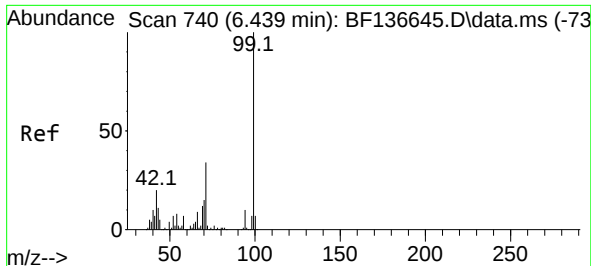
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Supervised By :mohammad ahmed 01/06/2024



#5
2-Fluorophenol
Concen: 86.762 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

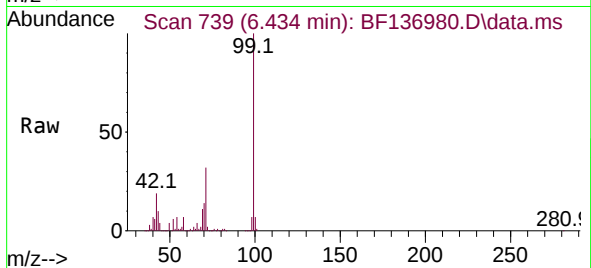
Tgt Ion:112 Resp: 315305
Ion Ratio Lower Upper
112 100
64 60.3 51.1 76.7
63 30.4 26.1 39.1





#7
Phenol-d6
Concen: 79.274 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

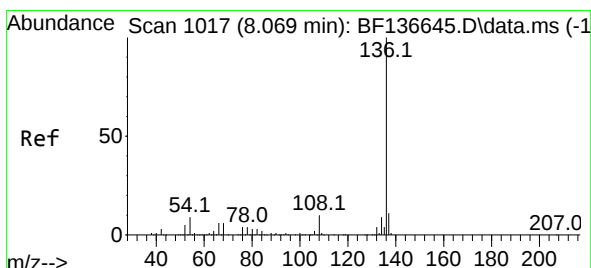
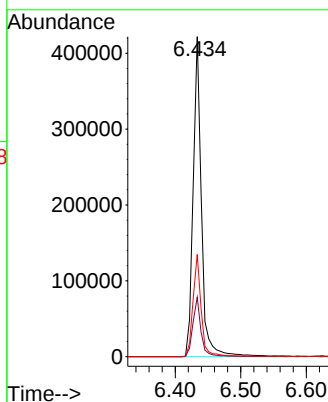
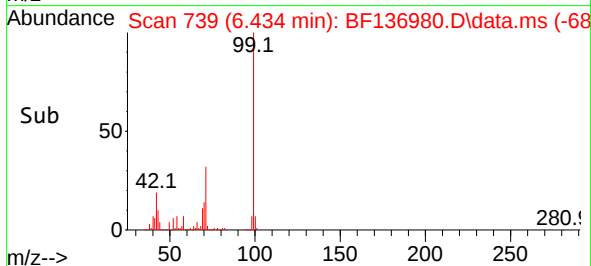
Instrument :
BNA_F
ClientSampleId :
MR-323-0-2



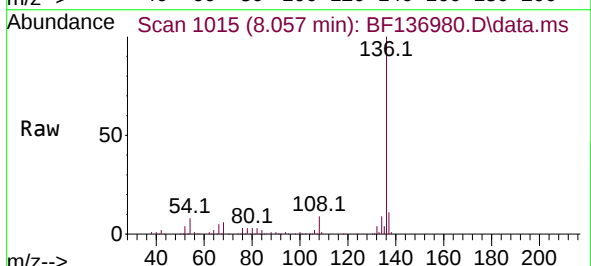
Tgt Ion: 99 Resp: 373298
Ion Ratio Lower Upper
99 100
42 18.5 16.1 24.1
71 31.9 27.4 41.2

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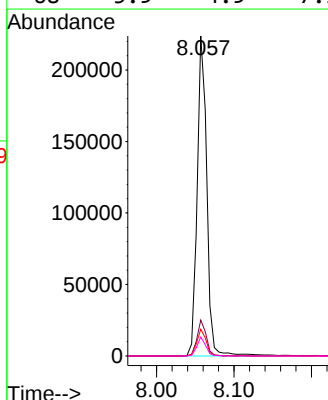
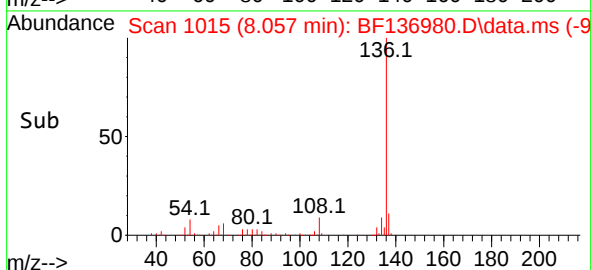
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

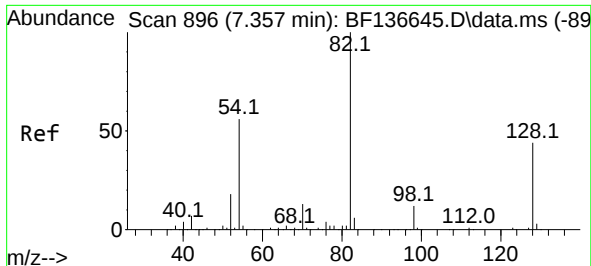


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26



Tgt Ion:136 Resp: 193036
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 8.4 7.2 10.8
68 5.9 4.9 7.3





#23
Nitrobenzene-d5
Concen: 60.739 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Instrument :

BNA_F

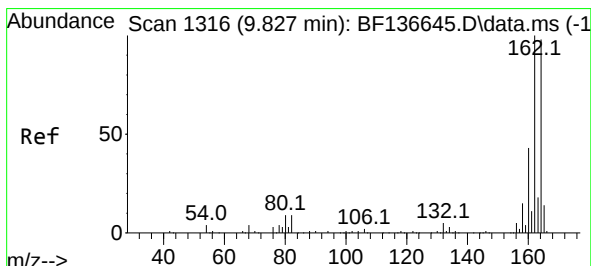
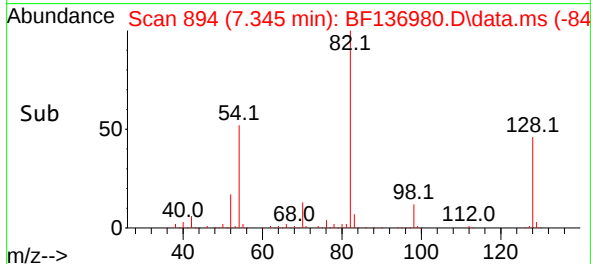
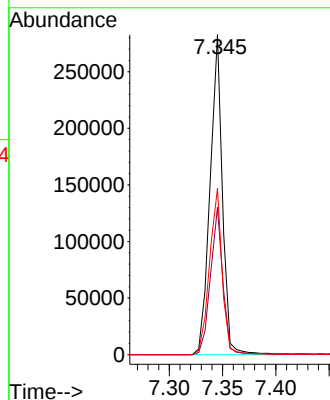
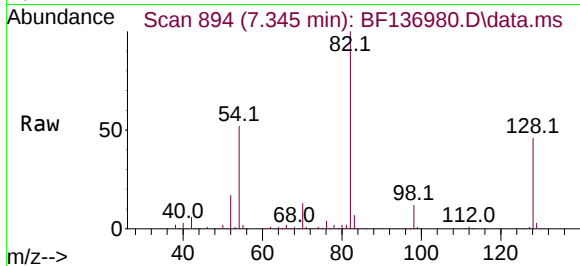
ClientSampleId :

MR-323-0-2

Tgt Ion: 82 Resp: 229128
Ion Ratio Lower Upper
82 100
128 46.0 35.3 52.9
54 52.0 44.5 66.7

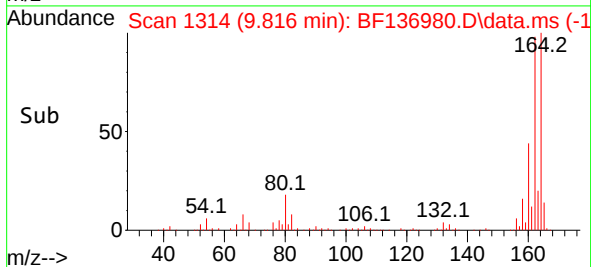
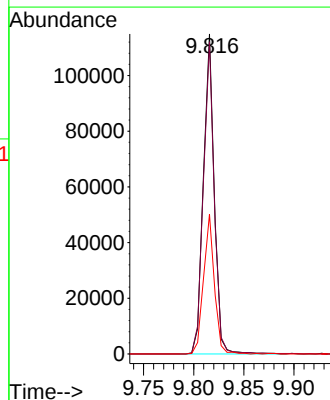
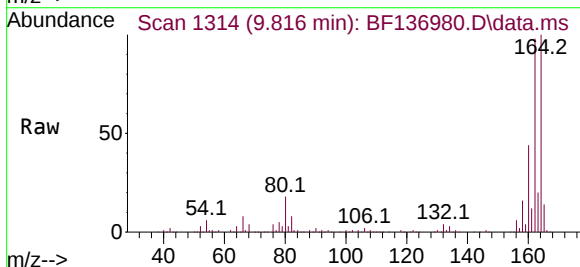
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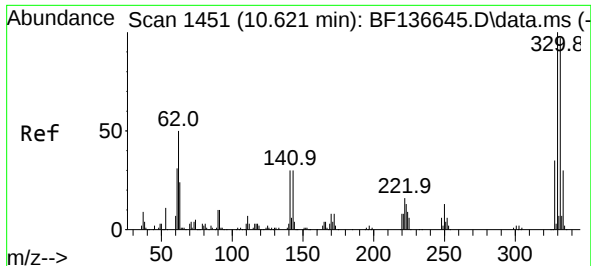
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Tgt Ion:164 Resp: 86944
Ion Ratio Lower Upper
164 100
162 97.5 81.6 122.4
160 43.7 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 80.434 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Instrument :

BNA_F

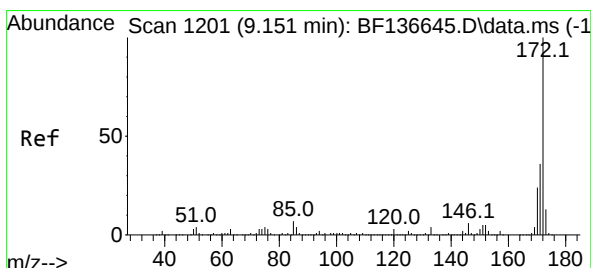
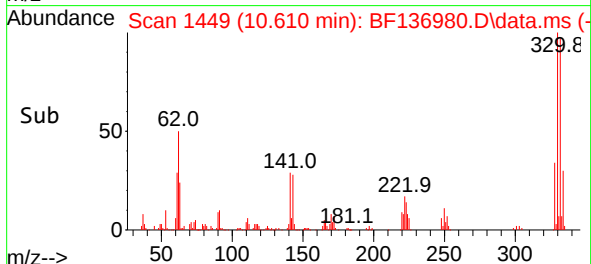
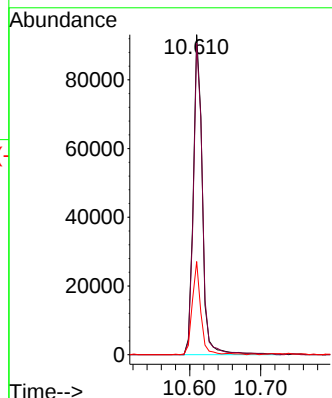
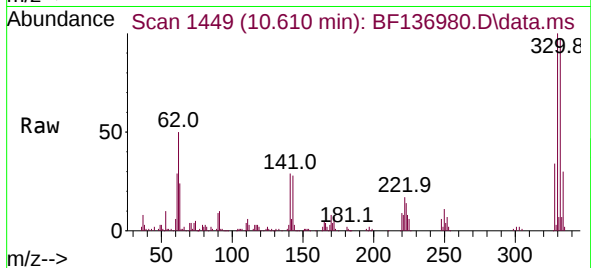
ClientSampleId :

MR-323-0-2

Tgt Ion:330 Resp: 8236
Ion Ratio Lower Upper
330 100
332 98.1 77.4 116.0
141 27.3 23.4 35.2

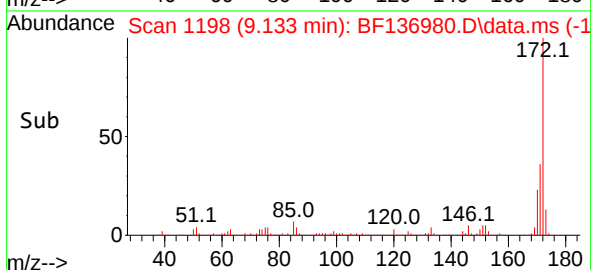
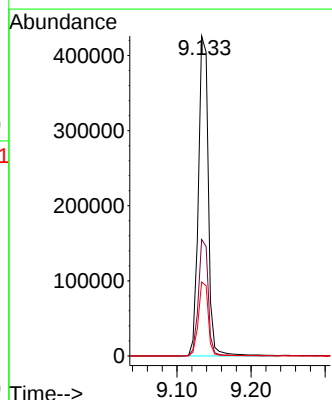
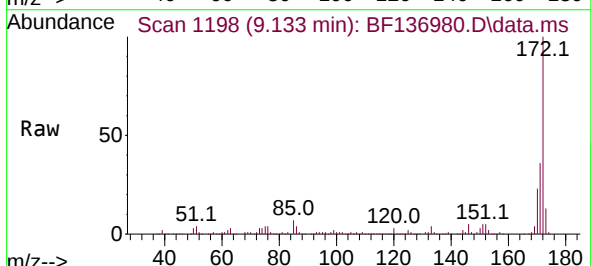
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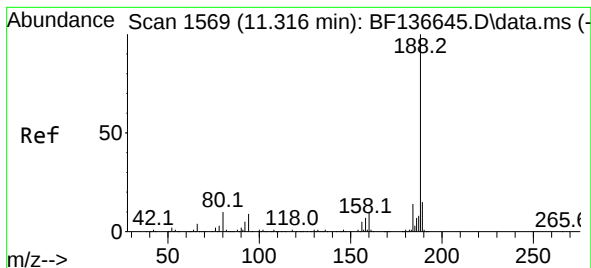
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#45
2-Fluorobiphenyl
Concen: 61.143 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Tgt Ion:172 Resp: 395246
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 23.1 19.0 28.4





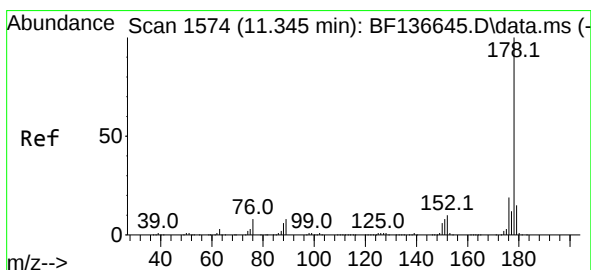
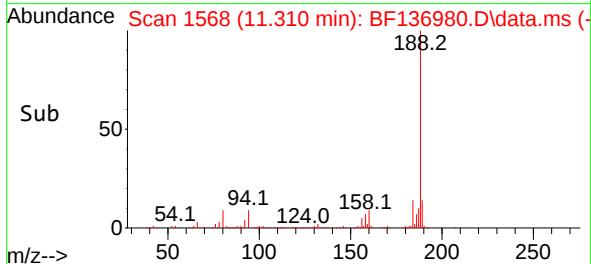
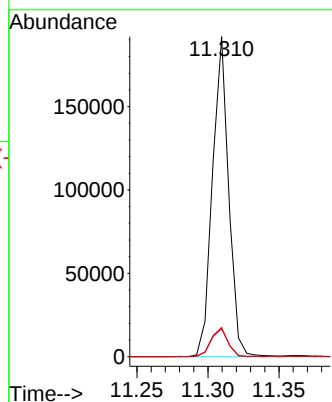
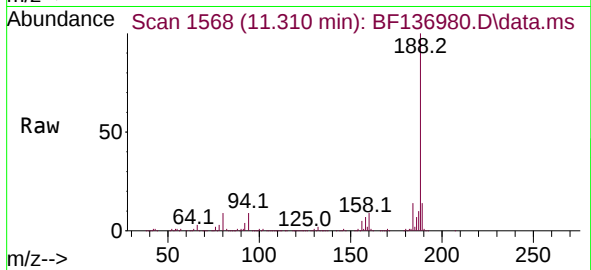
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Instrument :
BNA_F
ClientSampleId :
MR-323-0-2

Tgt Ion:188 Resp: 15222
Ion Ratio Lower Upper
188 100
94 8.7 7.5 11.3
80 9.1 8.1 12.1

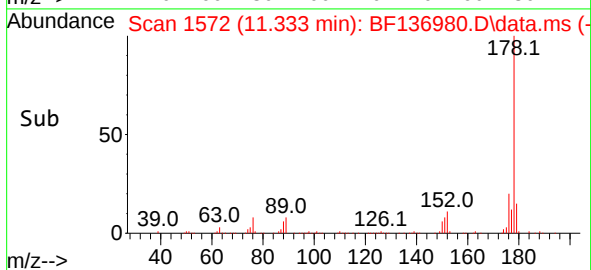
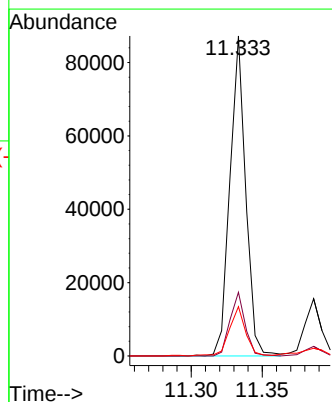
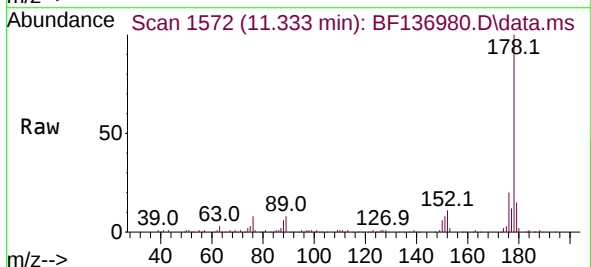
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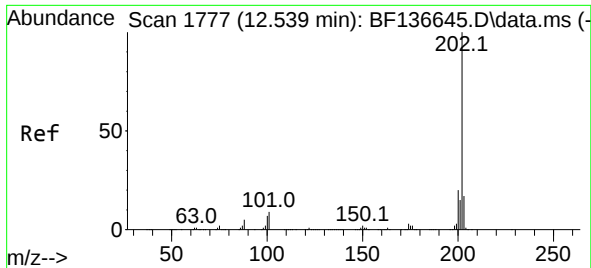
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#71
Phenanthrene
Concen: 8.648 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

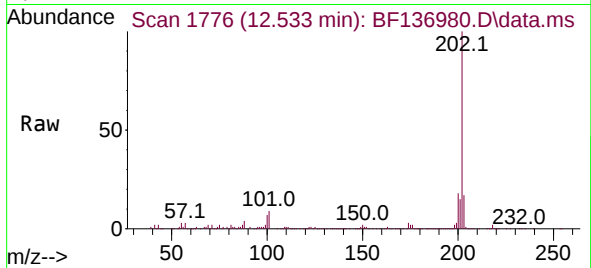
Tgt Ion:178 Resp: 67545
Ion Ratio Lower Upper
178 100
176 19.9 15.3 22.9
179 15.4 11.9 17.9





#75
Fluoranthene
Concen: 15.378 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

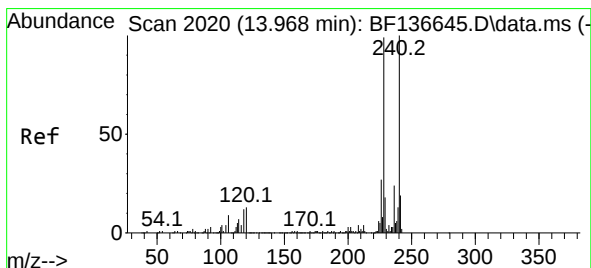
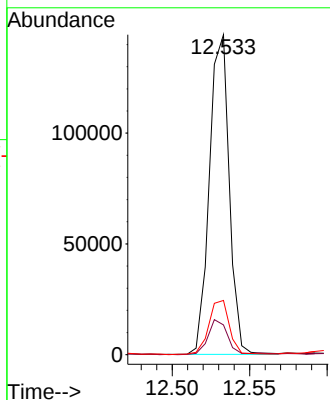
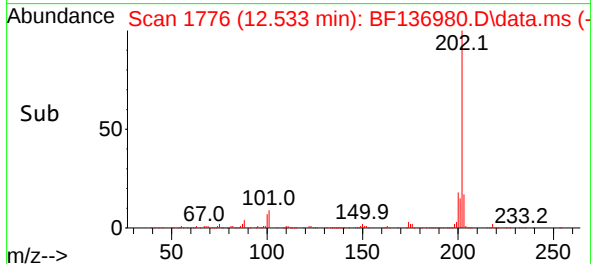
Instrument :
BNA_F
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MR-323-0-2



Tgt Ion:202 Resp: 12847
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.3
203 17.0 0.0 37.1

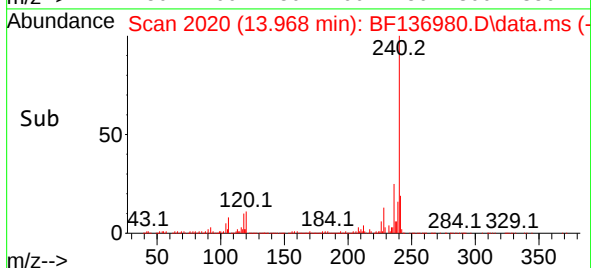
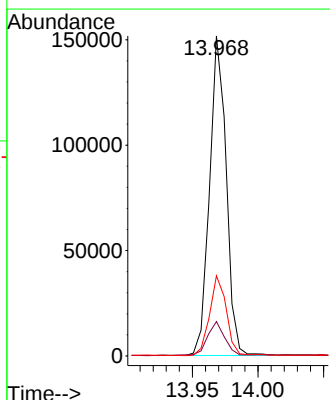
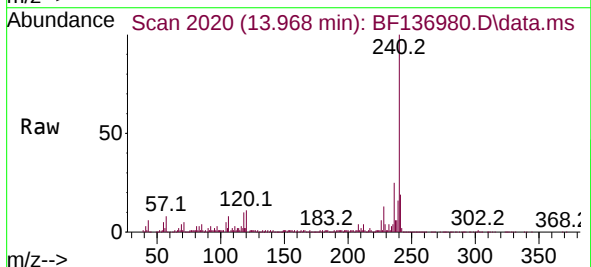
Manual Integrations
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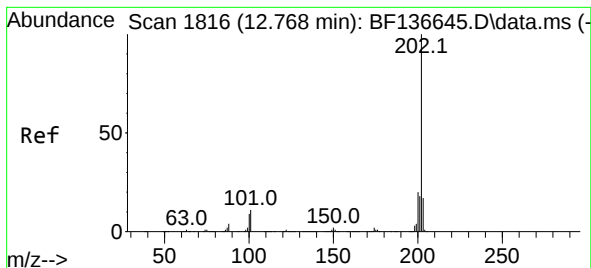
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Tgt Ion:240 Resp: 134157
Ion Ratio Lower Upper
240 100
120 10.8 10.3 15.5
236 25.0 19.4 29.2





#78

Pyrene

Concen: 8.280 ng

RT: 12.762 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136980.D

Acq: 05 Jan 2024 17:26

Instrument :

BNA_F

ClientSampleId :

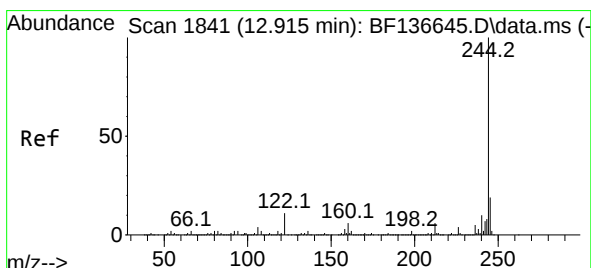
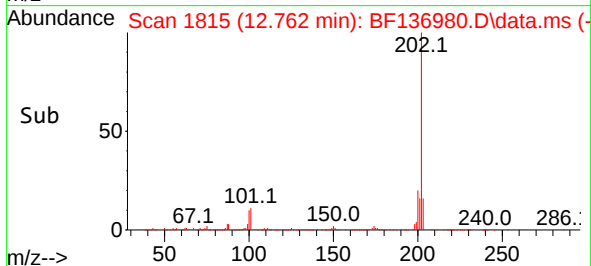
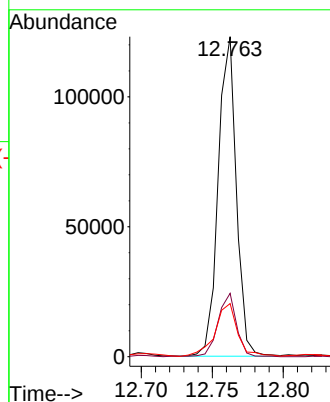
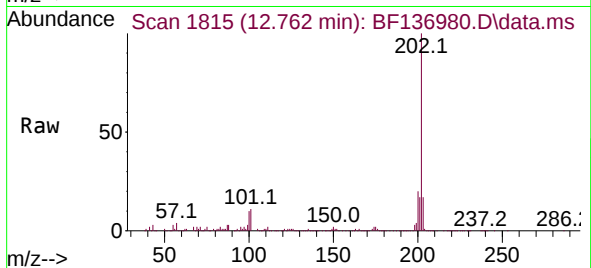
MR-323-0-2

Tgt Ion:202 Resp: 109050
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.9 23.9
 203 16.6 13.8 20.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024
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#79

Terphenyl-d14

Concen: 40.945 ng

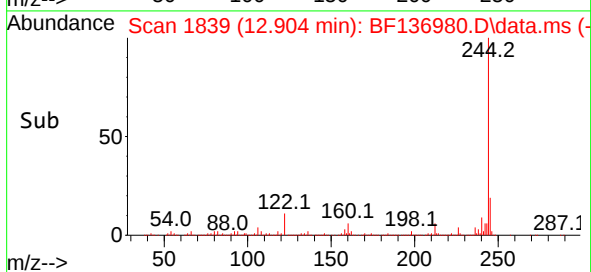
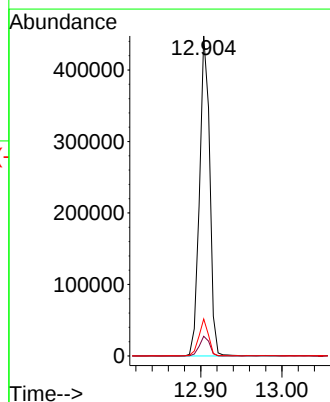
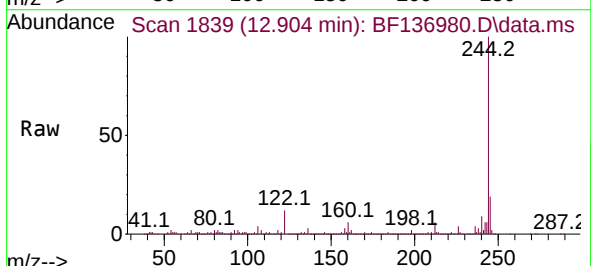
RT: 12.904 min Scan# 1839

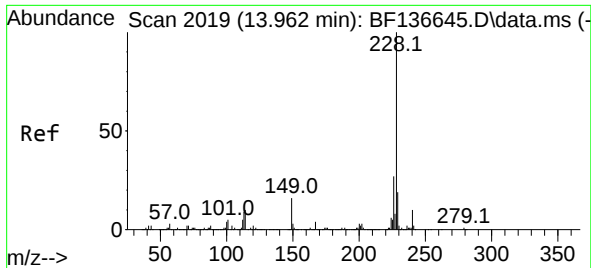
Delta R.T. -0.012 min

Lab File: BF136980.D

Acq: 05 Jan 2024 17:26

Tgt Ion:244 Resp: 393069
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 11.5 9.0 13.4





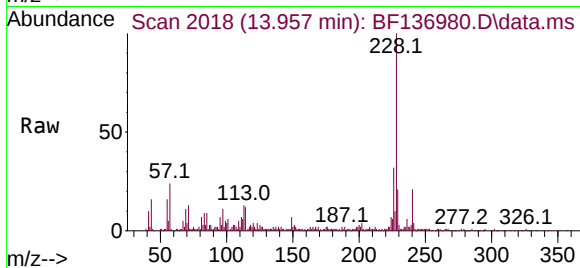
#81
Benzo(a)anthracene
Concen: 6.500 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Instrument :

BNA_F

ClientSampleId :

MR-323-0-2

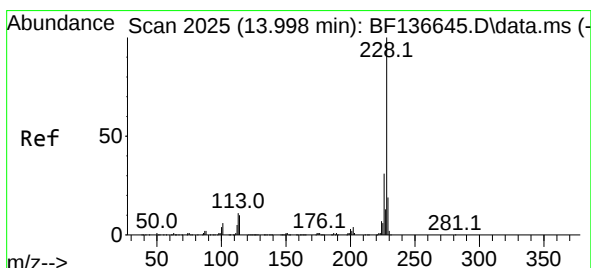
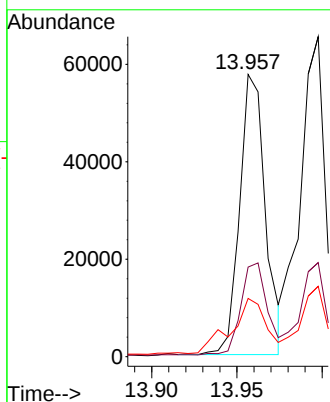
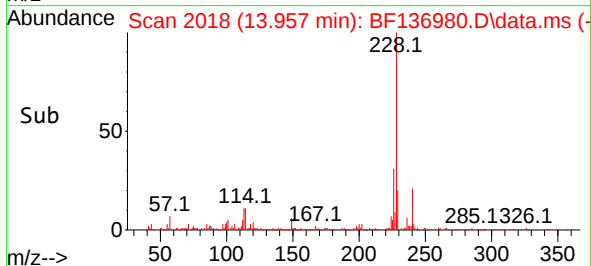


Tgt Ion:228 Resp: 60550
Ion Ratio Lower Upper
228 100
226 31.7 21.4 32.0
229 20.6 14.9 22.3

Manual Integrations

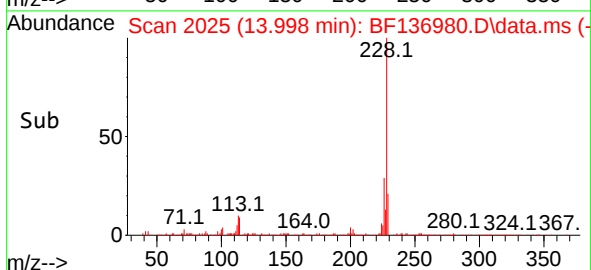
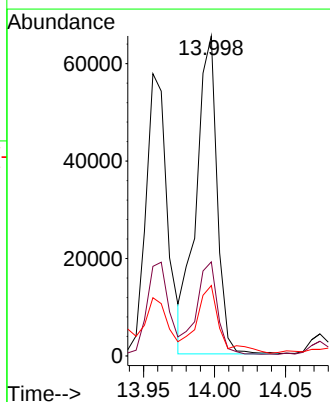
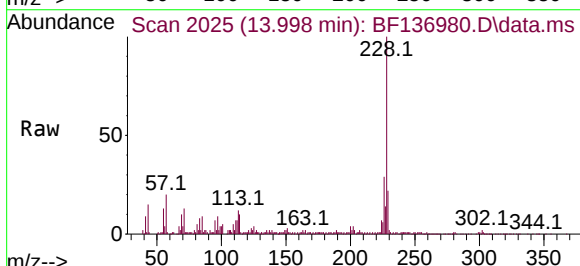
APPROVED

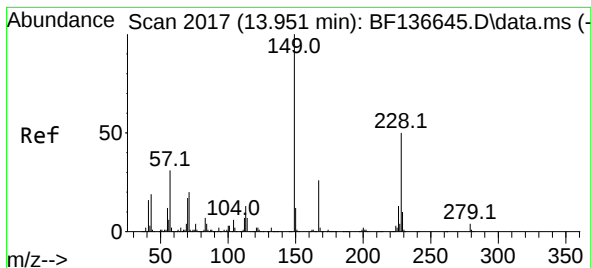
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#83
Chrysene
Concen: 7.375 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

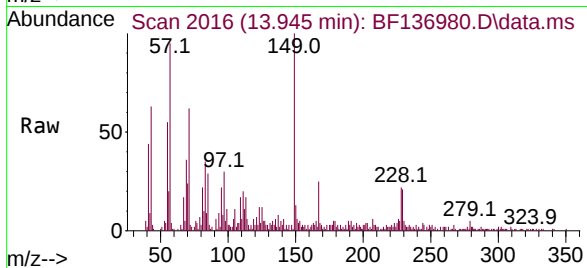
Tgt Ion:228 Resp: 67184
Ion Ratio Lower Upper
228 100
226 29.4 24.7 37.1
229 22.0 15.4 23.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.564 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

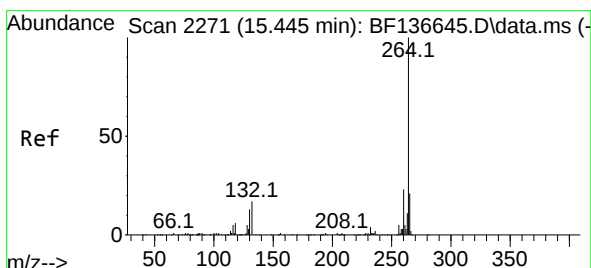
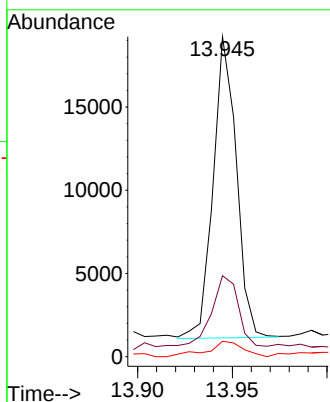
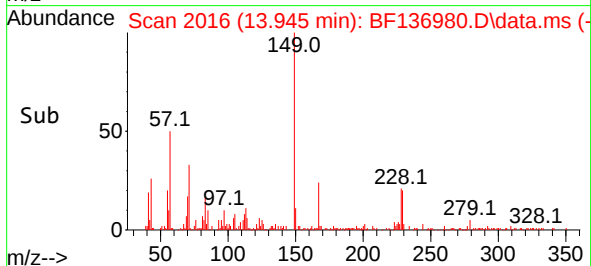
Instrument :
BNA_F
ClientSampleId :
MR-323-0-2



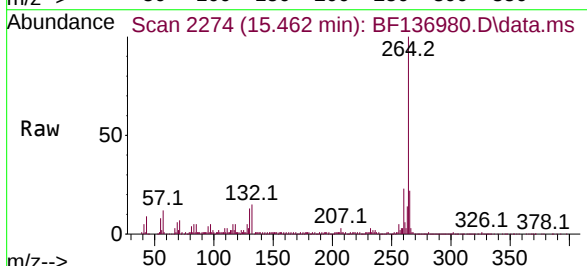
Tgt Ion:149 Resp: 15460
Ion Ratio Lower Upper
149 100
167 25.3 20.9 31.3
279 4.8 2.9 4.3

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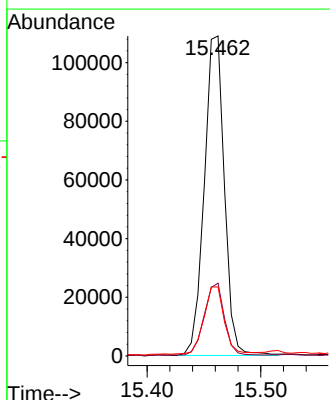
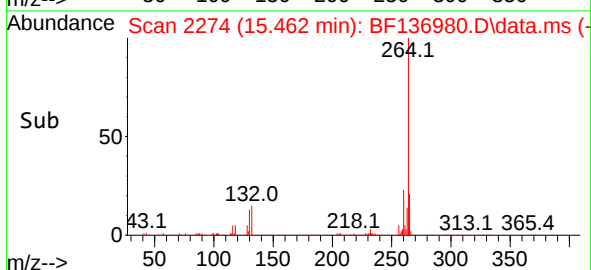
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

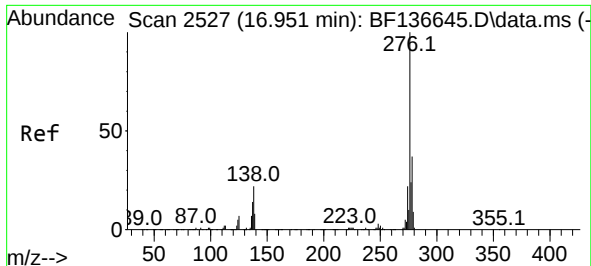


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. 0.018 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26



Tgt Ion:264 Resp: 134022
Ion Ratio Lower Upper
264 100
260 22.8 18.3 27.5
265 21.5 17.0 25.6





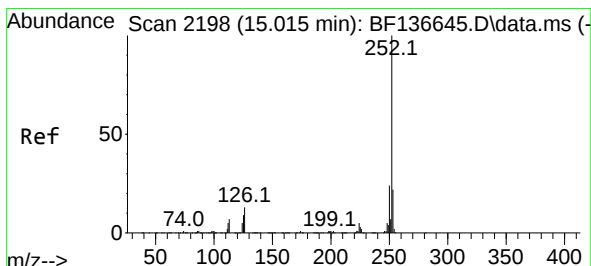
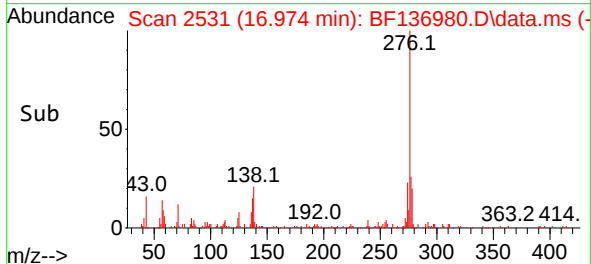
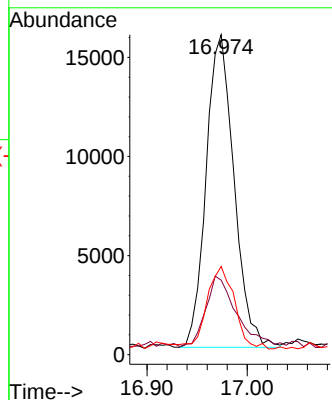
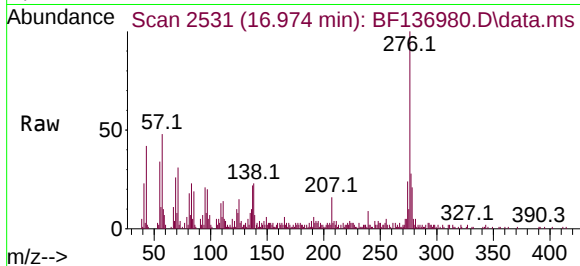
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.151 ng
RT: 16.974 min Scan# 2199
Delta R.T. 0.023 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Instrument :
BNA_F
ClientSampleId :
MR-323-0-2

Tgt Ion:276 Resp: 30494
Ion Ratio Lower Upper
276 100
138 24.8 18.7 28.1
277 26.1 20.2 30.2

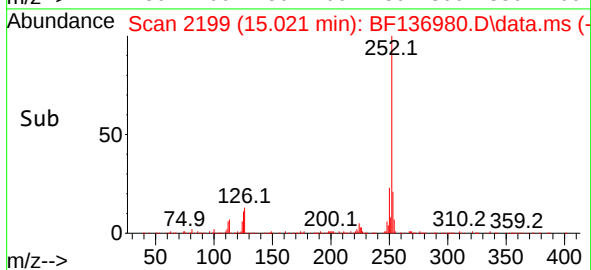
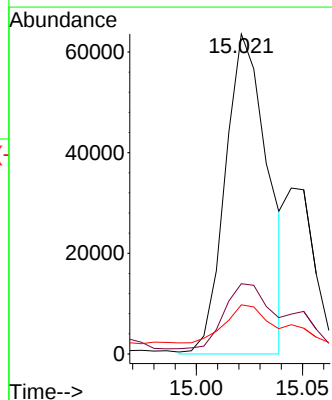
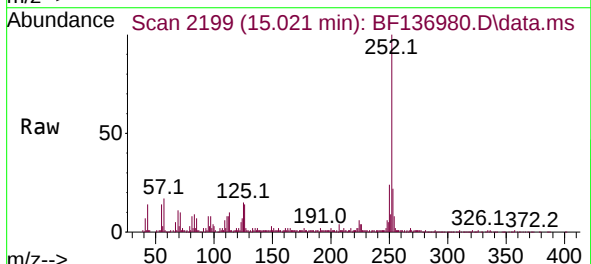
Manual Integrations
APPROVED

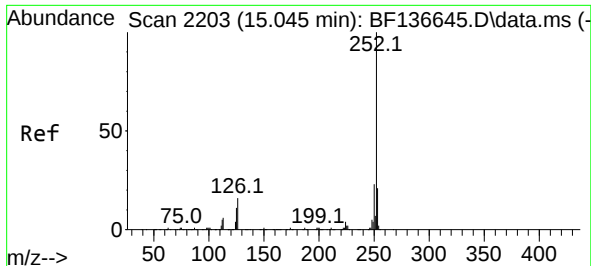
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#88
Benzo(b)fluoranthene
Concen: 9.902 ng m
RT: 15.021 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Tgt Ion:252 Resp: 88636
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 15.3 7.4 11.2#





#89
Benzo(k)fluoranthene
Concen: 3.716 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Instrument :

BNA_F

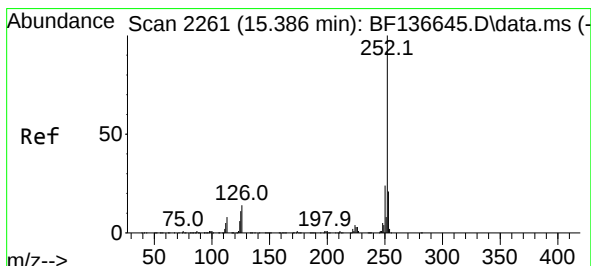
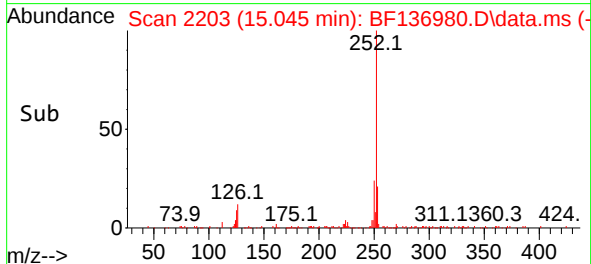
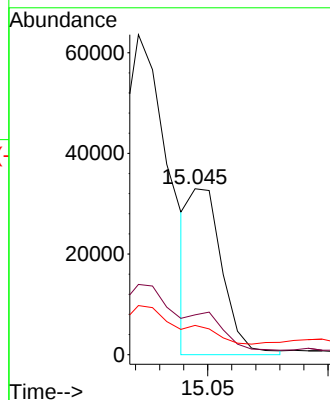
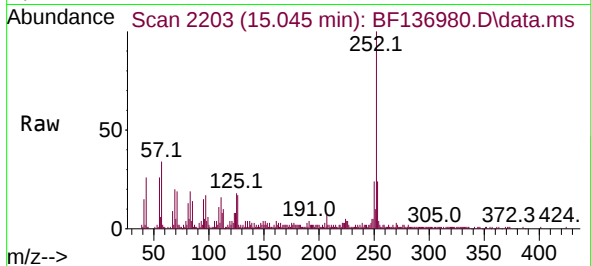
ClientSampleId :

MR-323-0-2

Tgt Ion:252 Resp: 31428
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.6
125 17.6 8.2 12.4

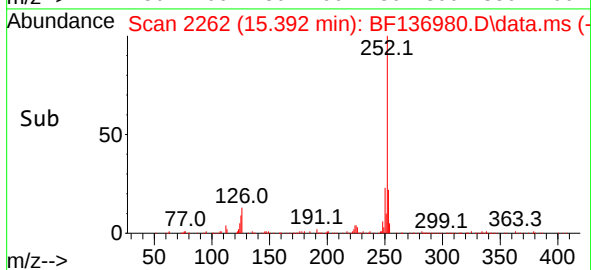
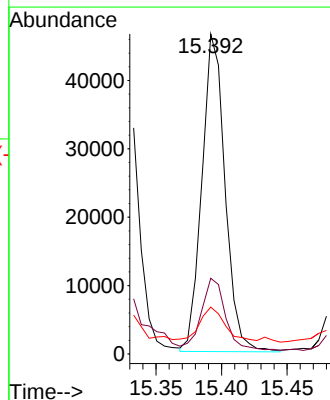
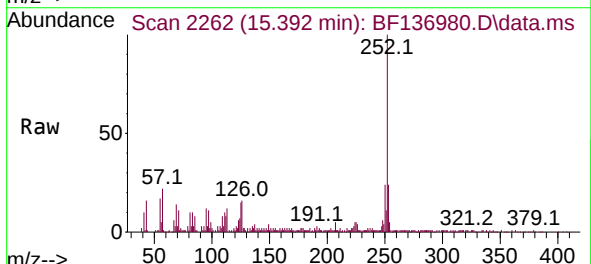
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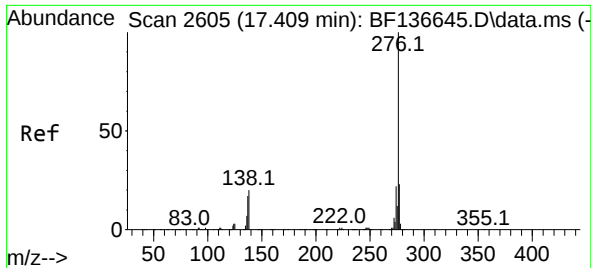
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#90
Benzo(a)pyrene
Concen: 7.570 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.006 min
Lab File: BF136980.D
Acq: 05 Jan 2024 17:26

Tgt Ion:252 Resp: 57199
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 14.6 8.8 13.2





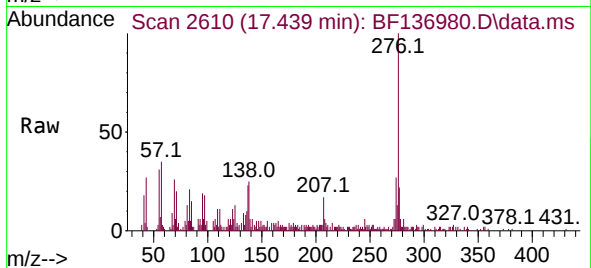
#92
 Benzo(g,h,i)perylene
 Concen: 3.448 ng
 RT: 17.439 min Scan# 20
 Delta R.T. 0.029 min
 Lab File: BF136980.D
 Acq: 05 Jan 2024 17:26

Instrument :

BNA_F

ClientSampleId :

MR-323-0-2



Tgt Ion:	276	Resp:	2803
Ion Ratio	Lower	Upper	
276	100		
277	22.2	18.3	27.5
138	25.4	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024

