

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136958.D
 Acq On : 05 Jan 2024 00:25
 Operator : CG\JU
 Sample : P1003-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978

Manual Integrations
 APPROVED

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

Quant Time: Jan 05 01:29:49 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	46646	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	174181	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	81377	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	142389	20.000	ng	0.00
76) Chrysene-d12	13.969	240	116309	20.000	ng	0.00
86) Perylene-d12	15.451	264	107249	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	243165	81.337	ng	0.00
7) Phenol-d6	6.434	99	298950	77.173	ng	0.00
23) Nitrobenzene-d5	7.345	82	179802	52.822	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	71602	74.710	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	325451	53.790	ng	-0.02
79) Terphenyl-d14	12.904	244	292365	35.128	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	81336	11.133	ng	100
72) Anthracene	11.386	178	18226	2.463	ng	96
75) Fluoranthene	12.527	202	162981	20.855	ng	97
78) Pyrene	12.757	202	169775	14.869	ng	99
81) Benzo(a)anthracene	13.957	228	93273	11.549	ng	97
83) Chrysene	13.992	228	85876	10.873	ng	96
87) Indeno(1,2,3-cd)pyrene	16.962	276	29852	3.855	ng	99
88) Benzo(b)fluoranthene	15.015	252	88183m	12.310	ng	
89) Benzo(k)fluoranthene	15.045	252	33765m	4.988	ng	
90) Benzo(a)pyrene	15.386	252	59048	9.766	ng	99
92) Benzo(g,h,i)perylene	17.421	276	29494	4.533	ng	96

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

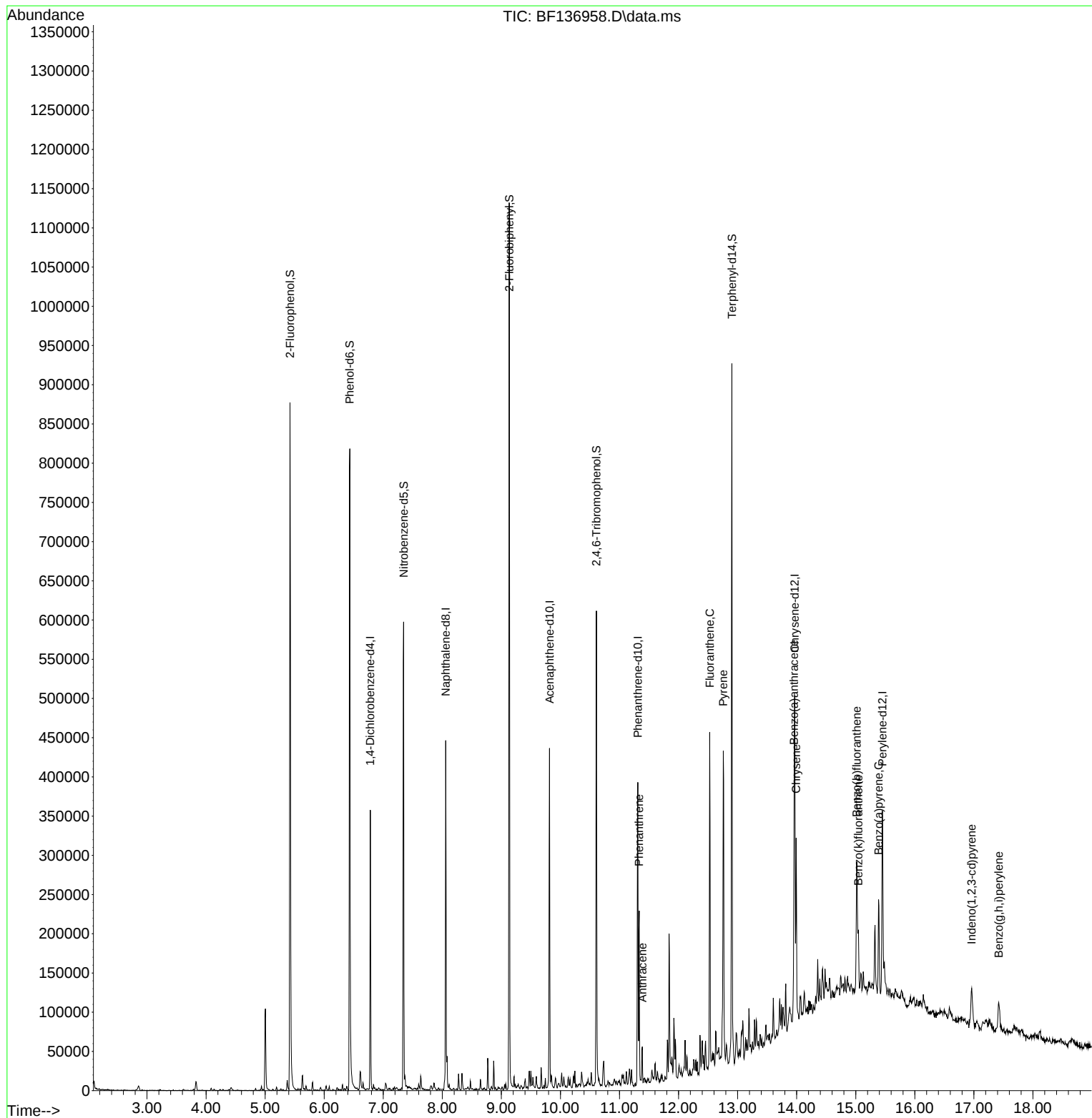
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
Data File : BF136958.D
Acq On : 05 Jan 2024 00:25
Operator : CG\JU
Sample : P1003-01
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ALS Vial : 16 Sample Multiplier: 1

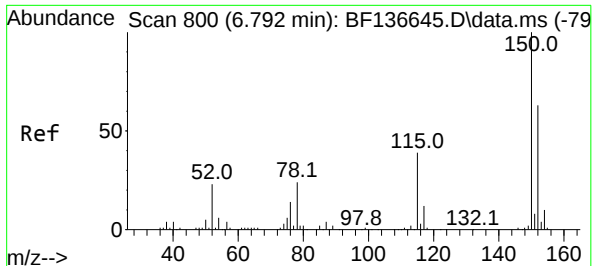
Instrument :
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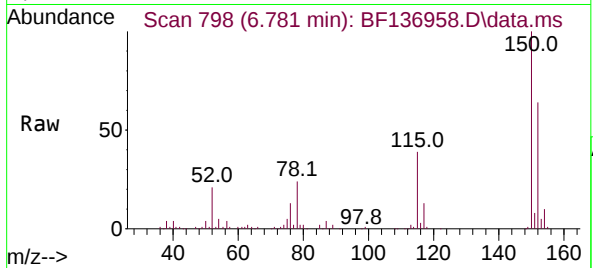
Quant Time: Jan 05 01:29:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

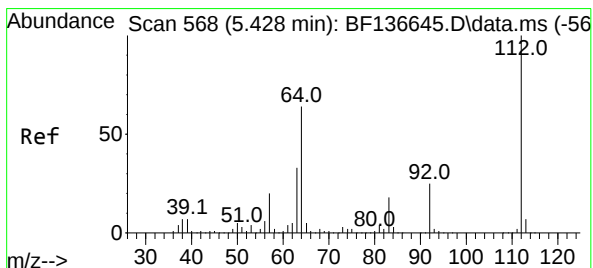
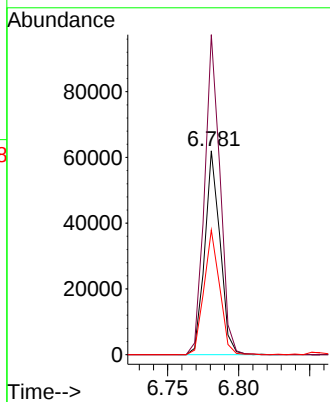
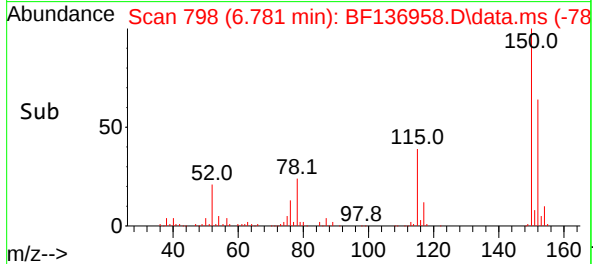
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion:152 Resp: 46640
Ion Ratio Lower Upper
152 100
150 157.0 127.0 190.6
115 61.2 49.0 73.4

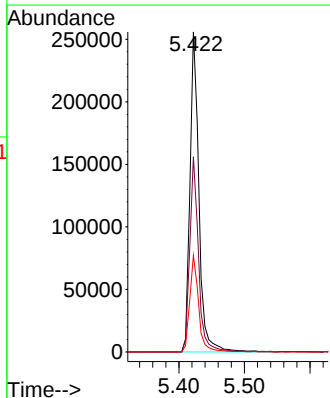
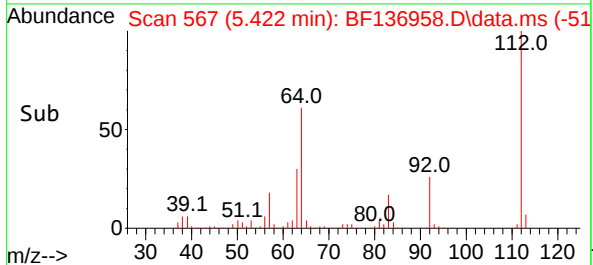
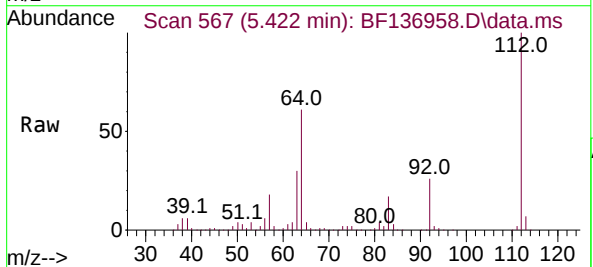
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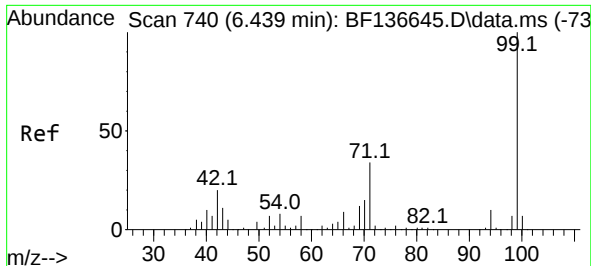
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#5
2-Fluorophenol
Concen: 81.337 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

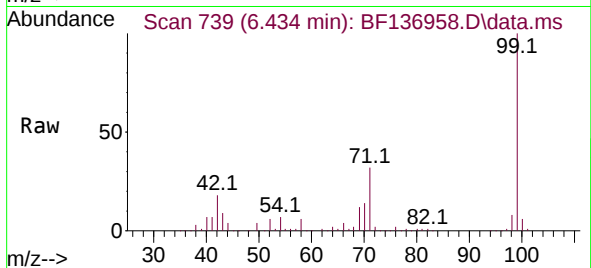
Tgt Ion:112 Resp: 243165
Ion Ratio Lower Upper
112 100
64 61.0 51.1 76.7
63 30.2 26.1 39.1





#7
Phenol-d6
Concen: 77.173 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

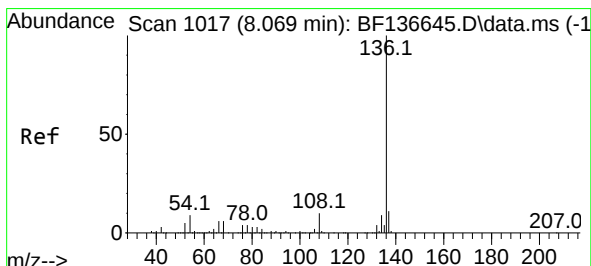
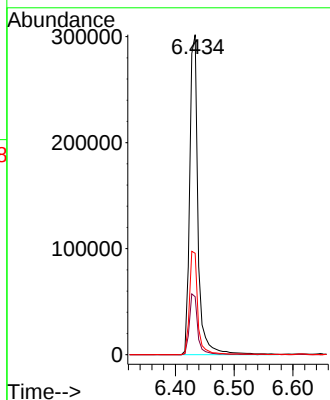
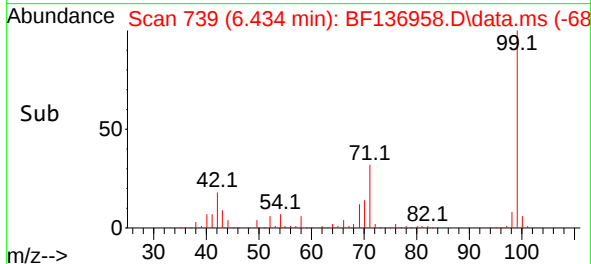
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion: 99 Resp: 298950
Ion Ratio Lower Upper
99 100
42 18.1 16.1 24.1
71 31.7 27.4 41.2

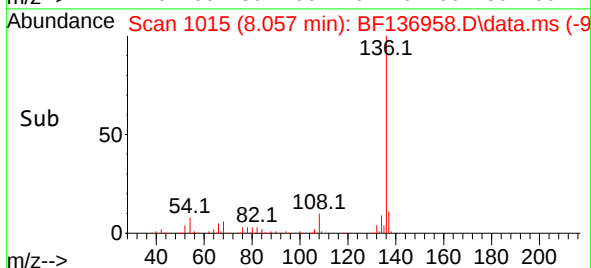
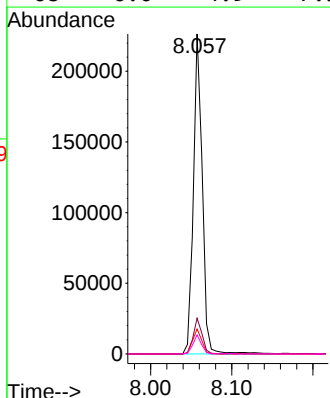
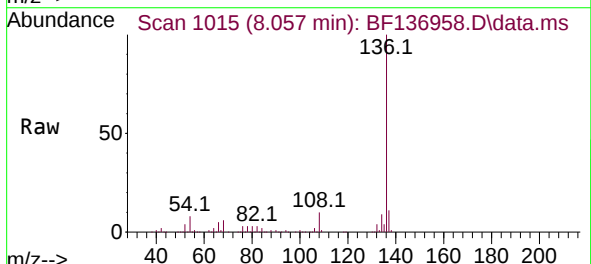
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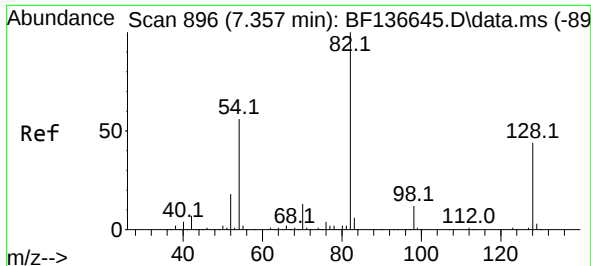
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

Tgt Ion:136 Resp: 174181
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 7.8 7.2 10.8
68 6.0 4.9 7.3





#23
Nitrobenzene-d5
Concen: 52.822 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

Instrument :

BNA_F

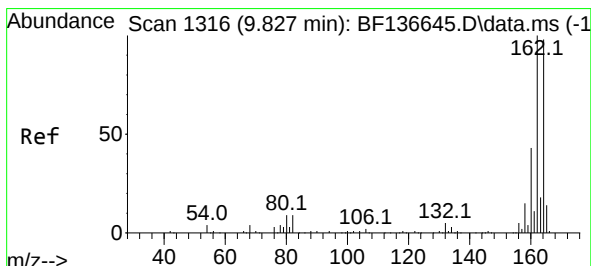
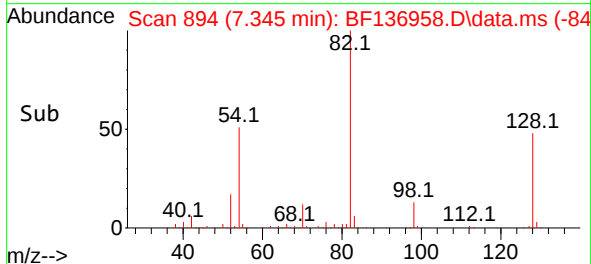
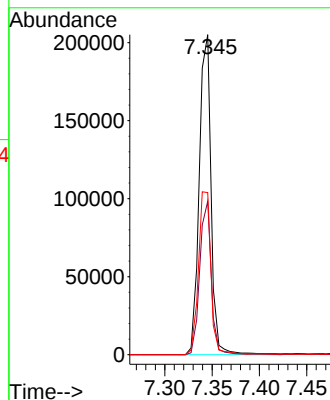
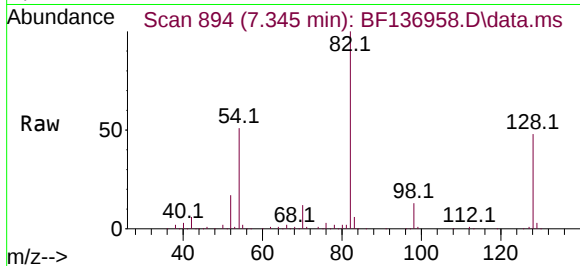
ClientSampleId :

72-11978

Tgt Ion: 82 Resp: 17980
Ion Ratio Lower Upper
82 100
128 48.0 35.3 52.9
54 50.7 44.5 66.7

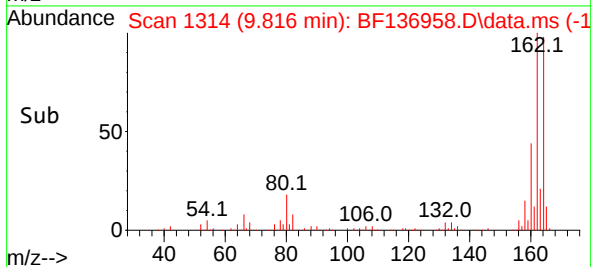
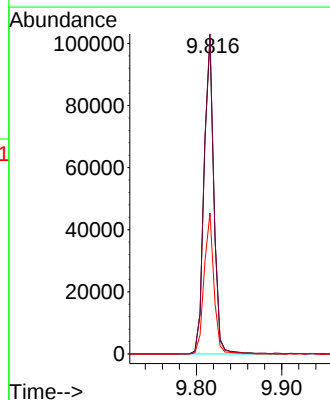
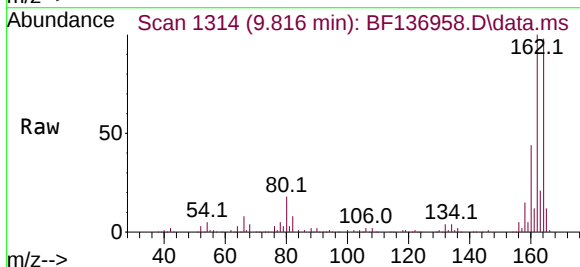
Manual Integrations
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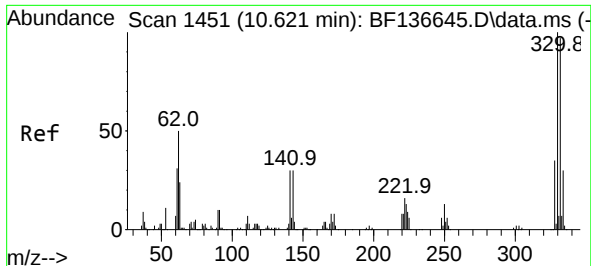
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

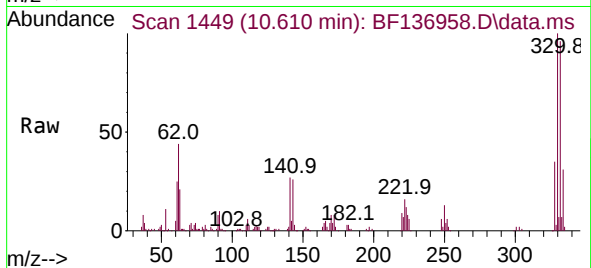
Tgt Ion:164 Resp: 81377
Ion Ratio Lower Upper
164 100
162 101.7 81.6 122.4
160 44.8 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 74.710 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

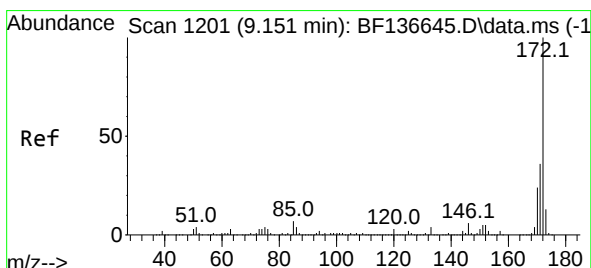
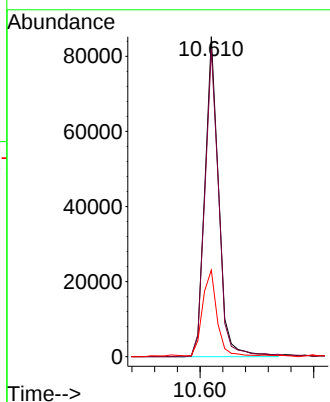
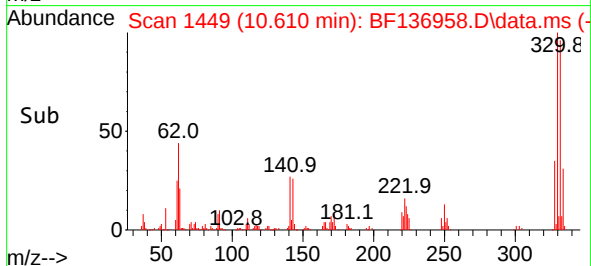
Instrument :
BNA_F
ClientSampleId :
72-11978



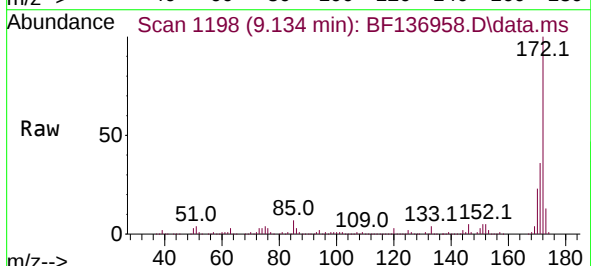
Tgt Ion: 330 Resp: 7160
Ion Ratio Lower Upper
330 100
332 98.2 77.4 116.0
141 29.7 23.4 35.2

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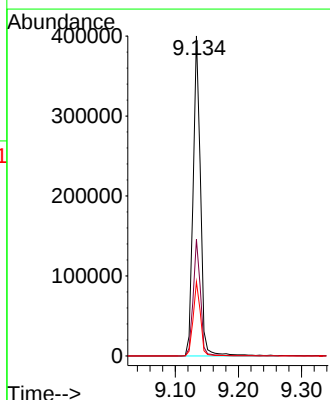
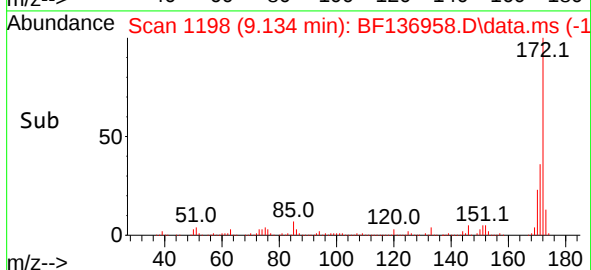
Reviewed By : Yogesh Patel 01/05/2024
Supervised By : mohammad ahmed 01/05/2024

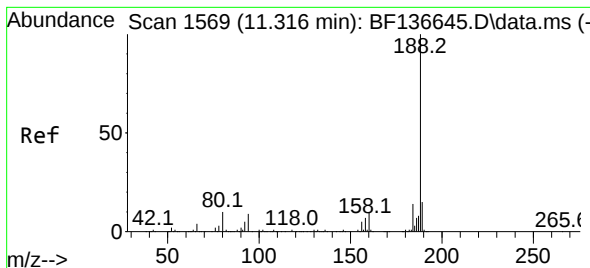


#45
2-Fluorobiphenyl
Concen: 53.790 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25



Tgt Ion: 172 Resp: 325451
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 23.1 19.0 28.4





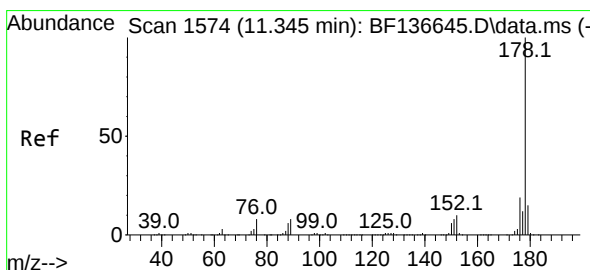
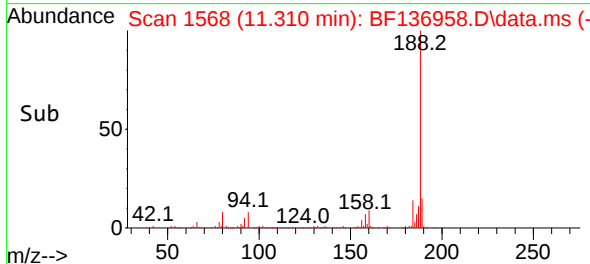
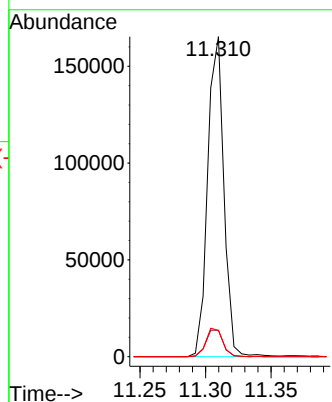
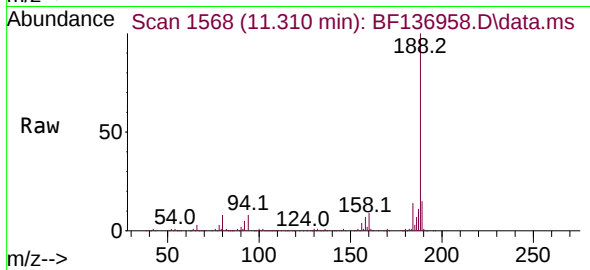
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion:188 Resp: 142389
Ion Ratio Lower Upper
188 100
94 8.2 7.5 11.3
80 8.2 8.1 12.1

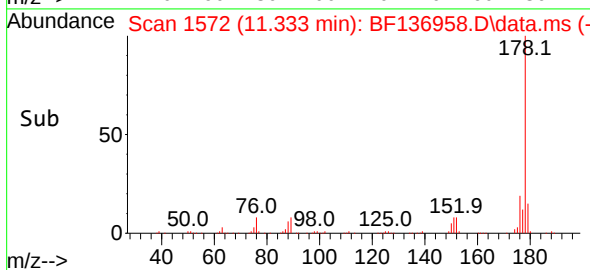
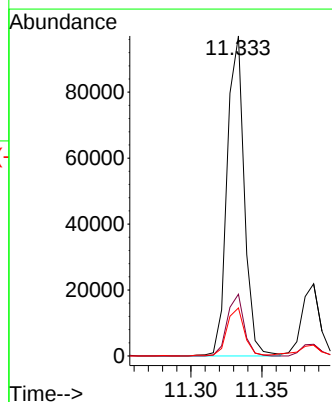
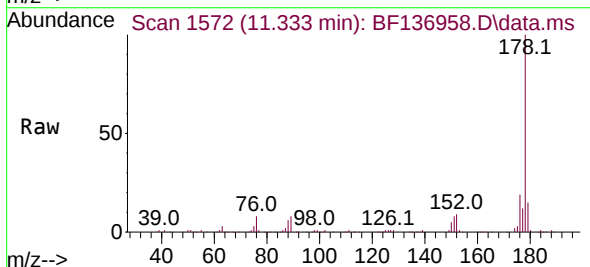
Manual Integrations
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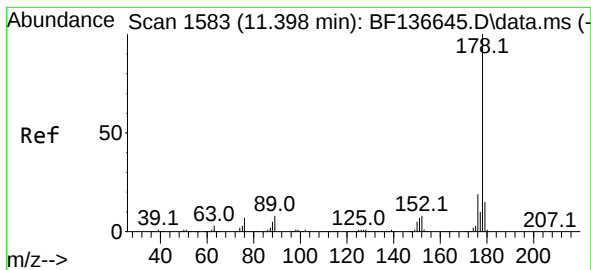
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#71
Phenanthrene
Concen: 11.133 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

Tgt Ion:178 Resp: 81336
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.0 11.9 17.9





#72

Anthracene

Concen: 2.463 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

Instrument :

BNA_F

ClientSampleId :

72-11978

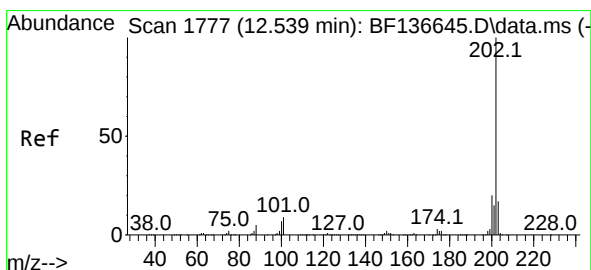
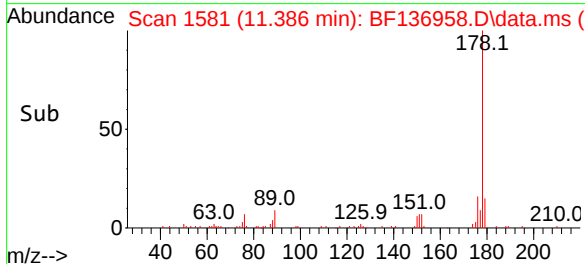
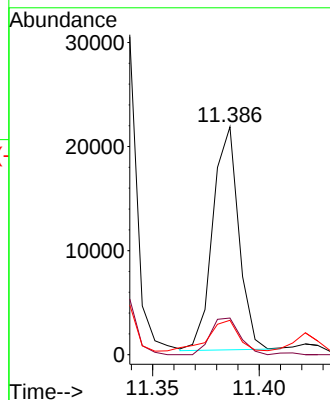
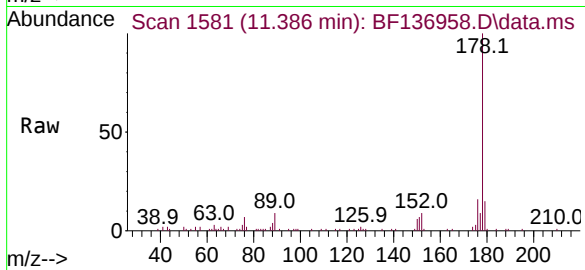
Tgt Ion:178 Resp: 18220
 Ion Ratio Lower Upper
 178 100
 176 16.1 14.9 22.3
 179 15.1 11.8 17.6

Manual Integrations

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Supervised By :mohammad ahmed 01/05/2024



#75

Fluoranthene

Concen: 20.855 ng

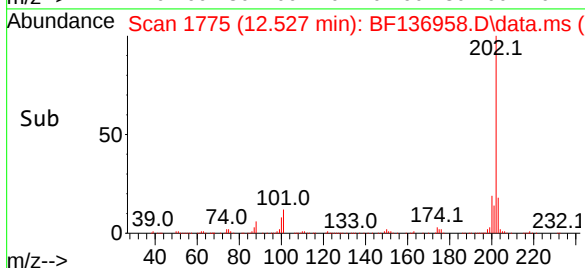
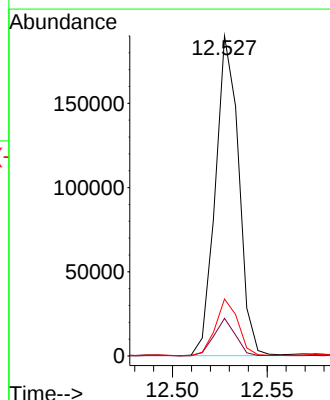
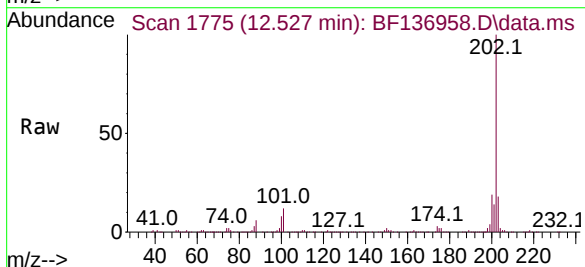
RT: 12.527 min Scan# 1775

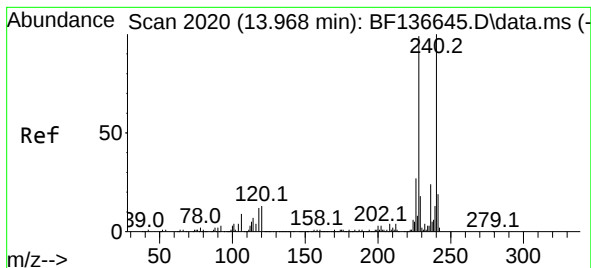
Delta R.T. -0.012 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

Tgt Ion:202 Resp: 162981
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 29.3
 203 17.8 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

Instrument :

BNA_F

ClientSampleId :

72-11978

Tgt Ion:240 Resp: 116309

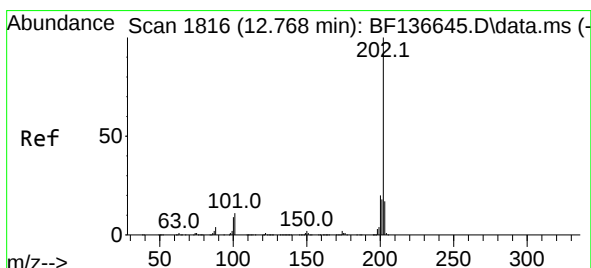
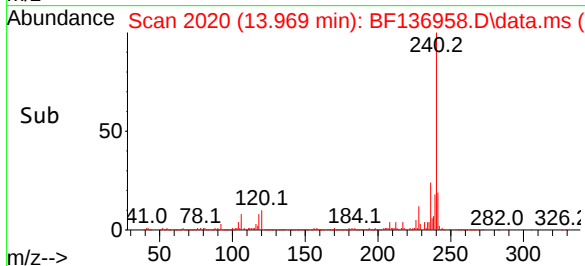
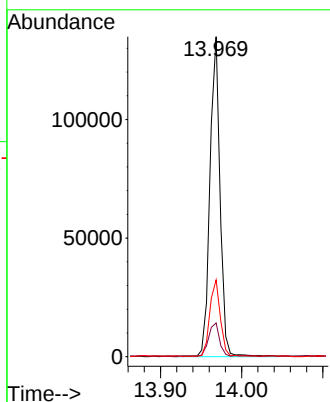
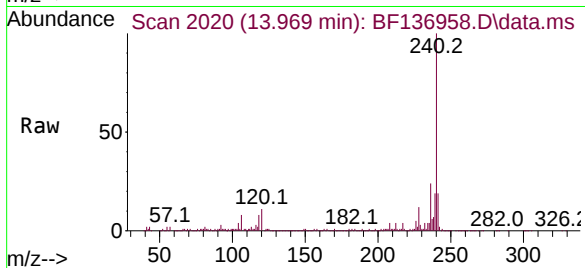
Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.3	15.5
236	24.0	19.4	29.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#78

Pyrene

Concen: 14.869 ng

RT: 12.757 min Scan# 1814

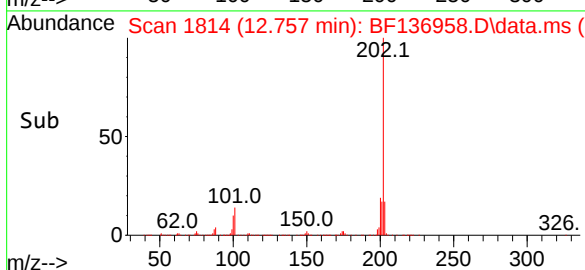
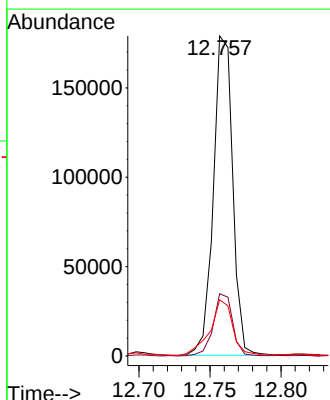
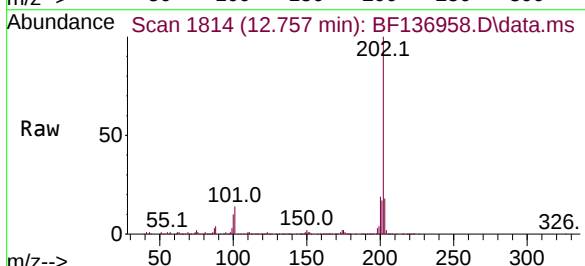
Delta R.T. -0.012 min

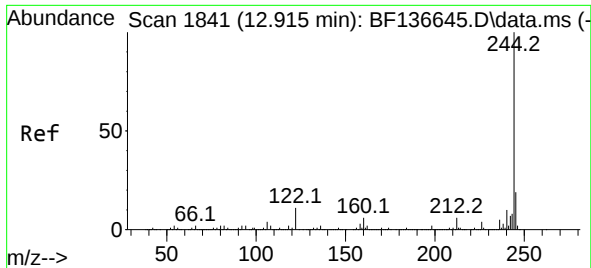
Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

Tgt Ion:202 Resp: 169775

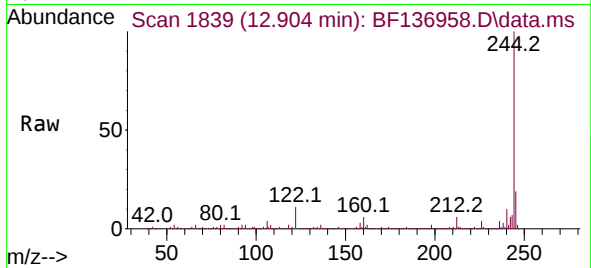
Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.9	23.9
203	17.6	13.8	20.6





#79
 Terphenyl-d14
 Concen: 35.128 ng
 RT: 12.904 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF136958.D
 Acq: 05 Jan 2024 00:25

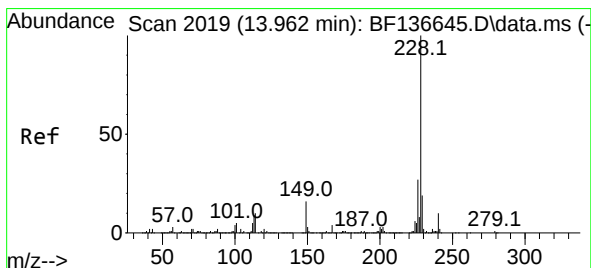
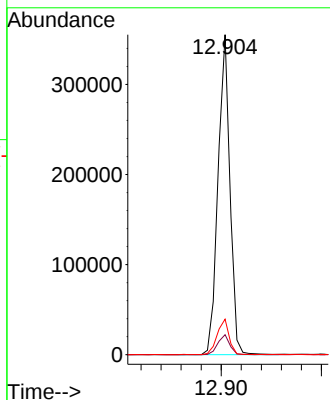
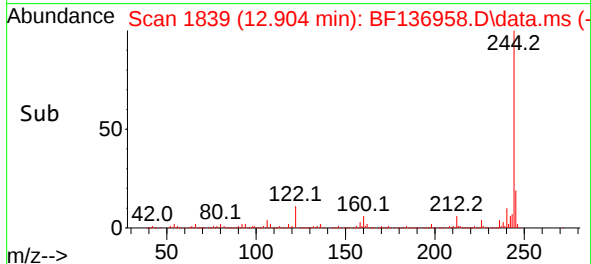
Instrument :
 BNA_F
 ClientSampleId :
 72-11978



Tgt Ion:244 Resp: 292368
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 11.1 9.0 13.4

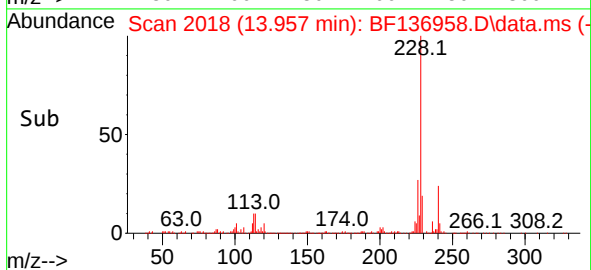
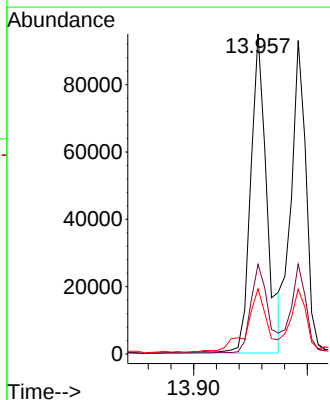
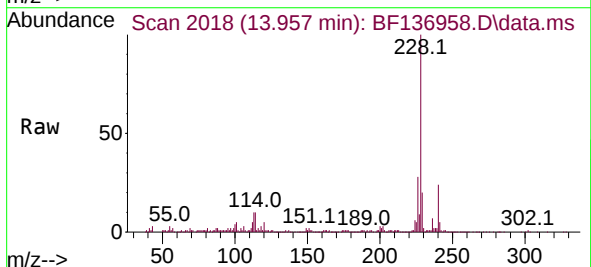
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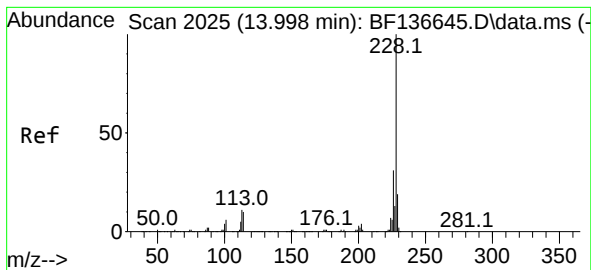
Reviewed By :Yogesh Patel 01/05/2024
 Supervised By :mohammad ahmed 01/05/2024



#81
 Benzo(a)anthracene
 Concen: 11.549 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF136958.D
 Acq: 05 Jan 2024 00:25

Tgt Ion:228 Resp: 93273
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.4 32.0
 229 20.3 14.9 22.3





#83

Chrysene

Concen: 10.873 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

Instrument :

BNA_F

ClientSampleId :

72-11978

Tgt Ion:228 Resp: 85870

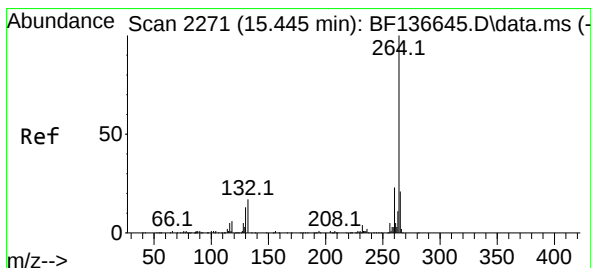
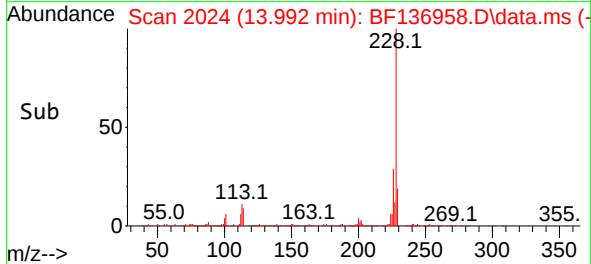
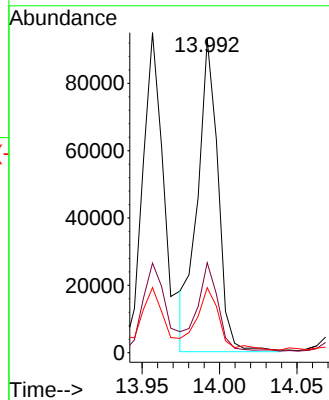
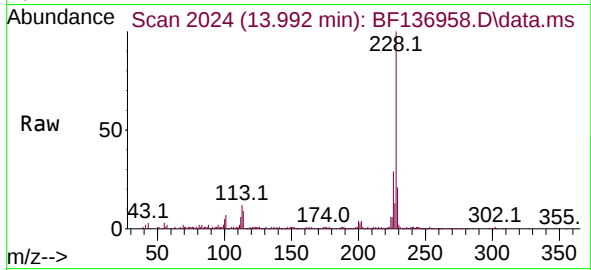
Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.7	37.1
229	20.7	15.4	23.0

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Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

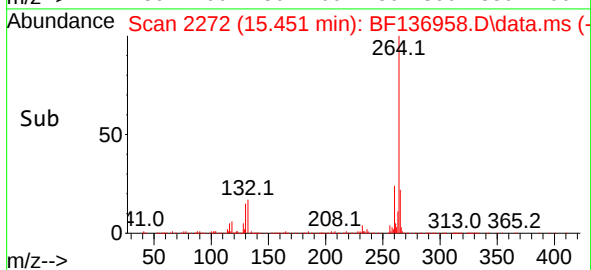
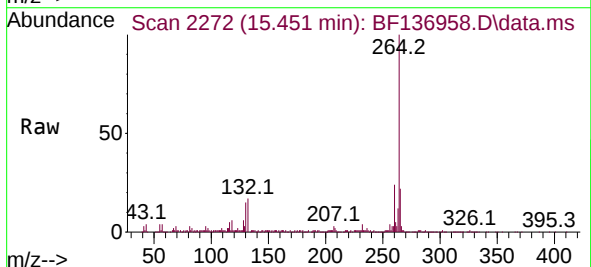
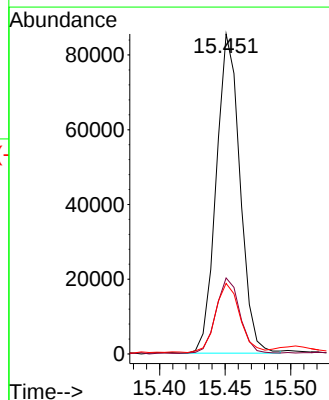
Delta R.T. 0.006 min

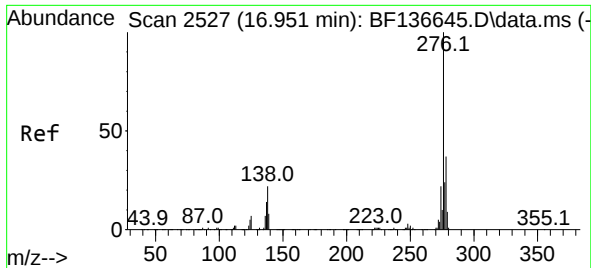
Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

Tgt Ion:264 Resp: 107249

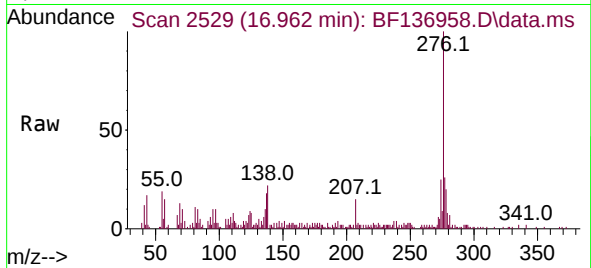
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	22.0	17.0	25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.855 ng
RT: 16.962 min Scan# 2198
Delta R.T. 0.012 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

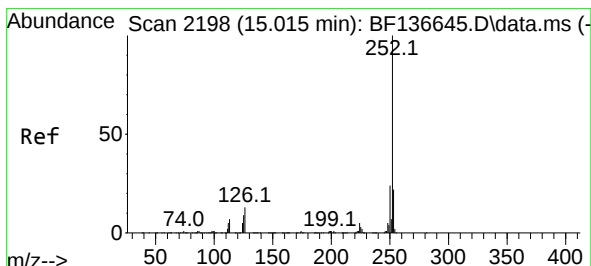
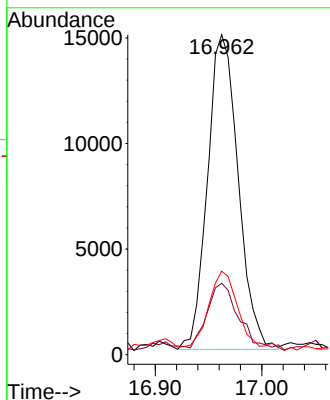
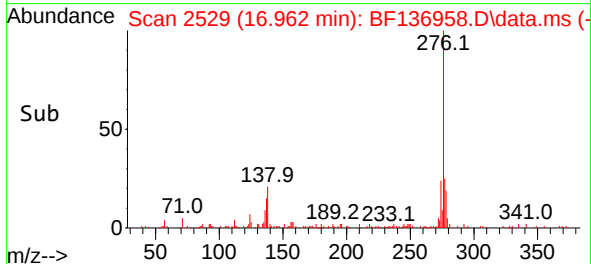
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion: 276 Resp: 2985
Ion Ratio Lower Upper
276 100
138 22.2 18.7 28.1
277 25.1 20.2 30.2

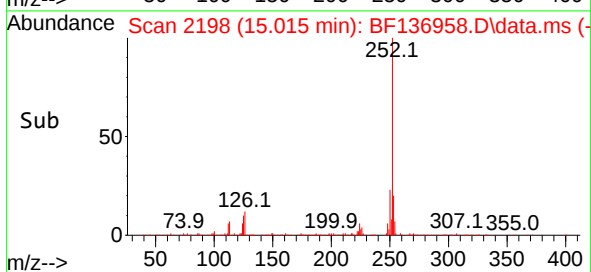
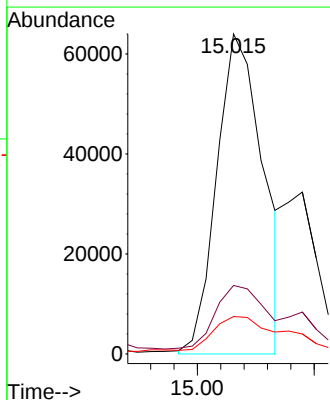
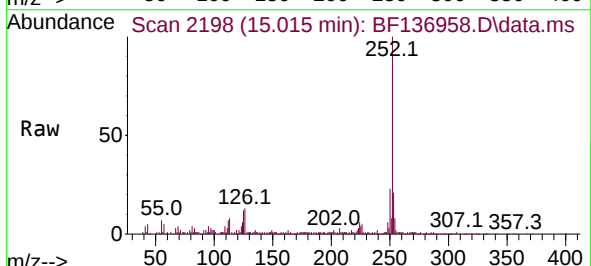
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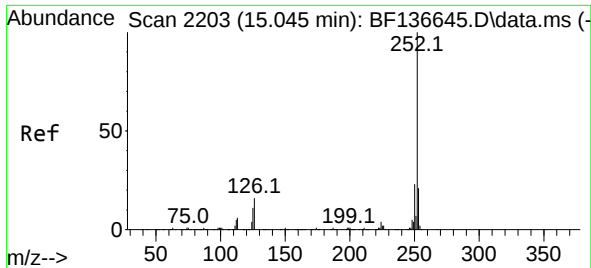
Reviewed By : Yogesh Patel 01/05/2024
Supervised By : mohammad ahmed 01/05/2024



#88
Benzo(b)fluoranthene
Concen: 12.310 ng m
RT: 15.015 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF136958.D
Acq: 05 Jan 2024 00:25

Tgt Ion: 252 Resp: 88183
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 11.7 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 4.988 ng m

RT: 15.045 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

Instrument :

BNA_F

ClientSampleId :

72-11978

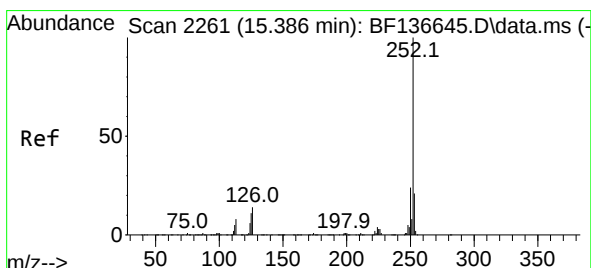
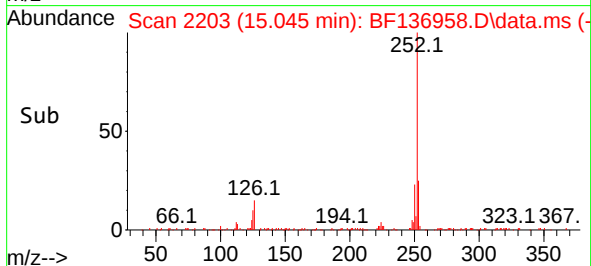
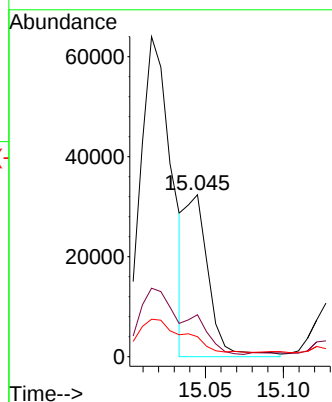
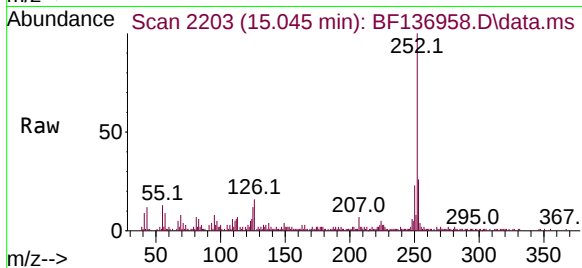
Tgt Ion:	252	Resp:	3376
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.0	25.6
125	12.4	8.2	12.4

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Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#90

Benzo(a)pyrene

Concen: 9.766 ng

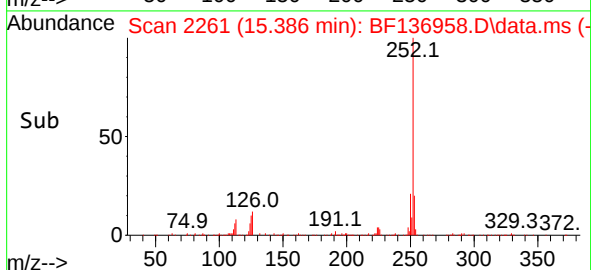
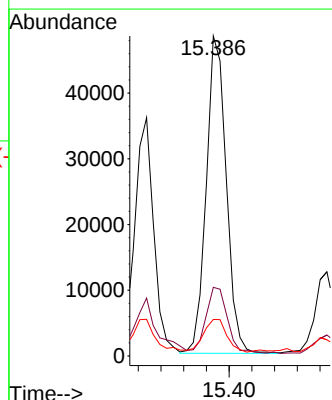
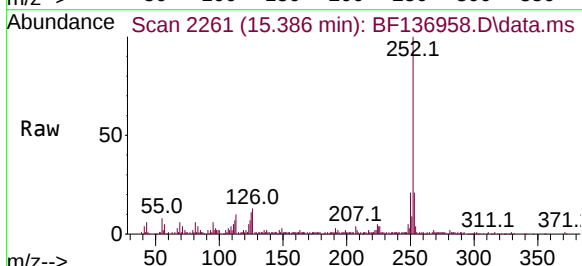
RT: 15.386 min Scan# 2261

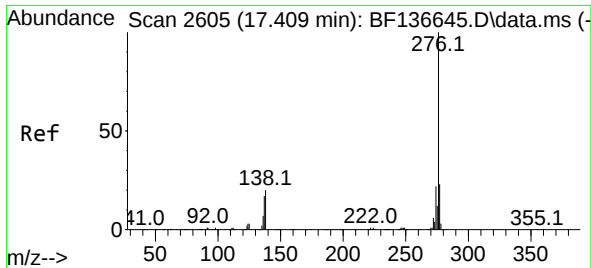
Delta R.T. 0.000 min

Lab File: BF136958.D

Acq: 05 Jan 2024 00:25

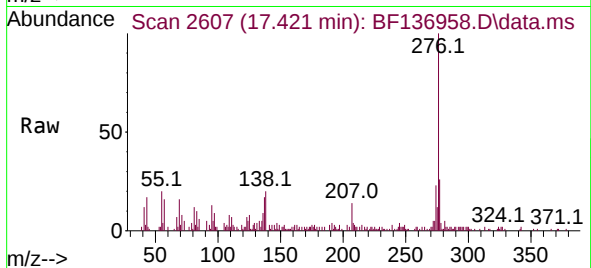
Tgt Ion:	252	Resp:	59048
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.0	25.6
125	11.4	8.8	13.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.533 ng
 RT: 17.421 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF136958.D
 Acq: 05 Jan 2024 00:25

Instrument :
 BNA_F
 ClientSampleId :
 72-11978



Tgt Ion: 276 Resp: 29494

Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.3	27.5
138	20.2	15.6	23.4

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

