

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135961.D
 Acq On : 26 Oct 2023 14:00
 Operator : CG\JU
 Sample : 05015-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11991

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023

Quant Time: Oct 26 14:26:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	183112	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	723967	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	371712	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	674688	20.000	ng	0.00
76) Chrysene-d12	14.004	240	352237	20.000	ng	0.00
86) Perylene-d12	15.486	264	402048	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1010111	85.182	ng	0.00
7) Phenol-d6	6.451	99	1288857	87.302	ng	0.00
23) Nitrobenzene-d5	7.386	82	718843	66.524	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	329220	101.187	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1369440	58.992	ng	0.00
79) Terphenyl-d14	12.951	244	1464014	69.443	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.410	166	67351	2.958	ng	96
71) Phenanthrene	11.374	178	213677	6.260	ng	99
75) Fluoranthene	12.569	202	326140	9.082	ng	100
78) Pyrene	12.798	202	238927	8.079	ng	97
80) Butylbenzylphthalate	13.433	149	1520	3.952	ng	91
81) Benzo(a)anthracene	13.992	228	78196	3.265	ng	100
83) Chrysene	14.027	228	94145	4.036	ng	98
88) Benzo(b)fluoranthene	15.051	252	96440m	4.031	ng	
90) Benzo(a)pyrene	15.421	252	60614	2.749	ng	97
92) Benzo(g,h,i)perylene	17.427	276	37212m	5.305	ng	

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

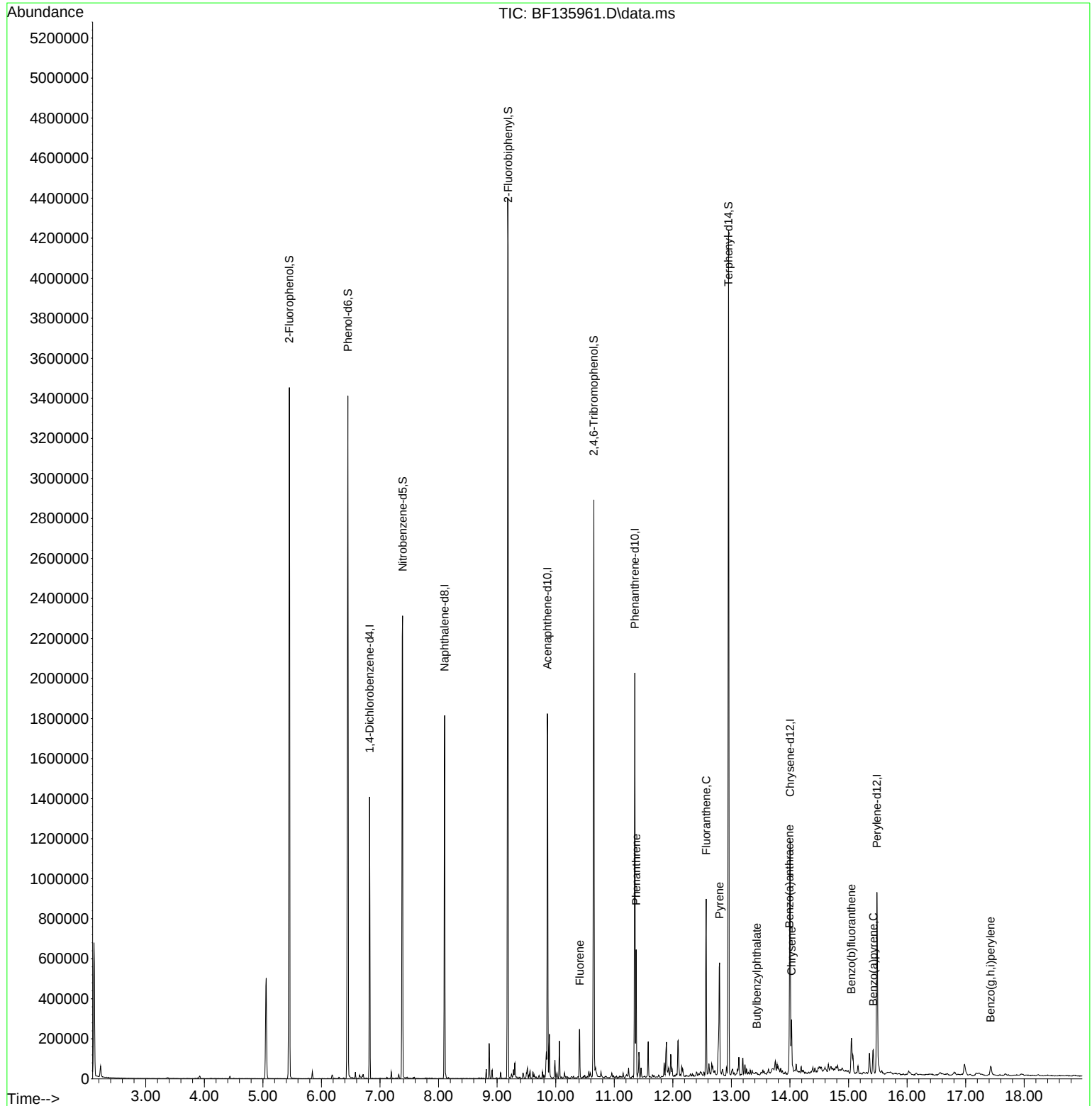
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135961.D
Acq On : 26 Oct 2023 14:00
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ALS Vial : 5 Sample Multiplier: 1

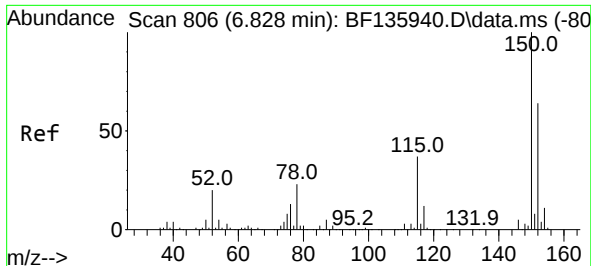
Instrument :
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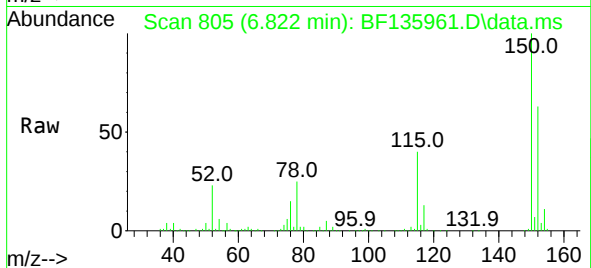
Quant Time: Oct 26 14:26:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 26 03:58:01 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

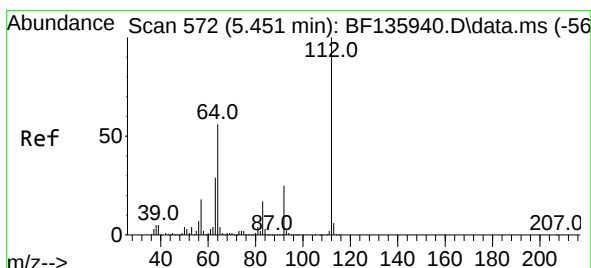
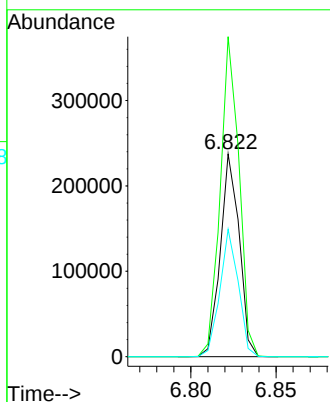
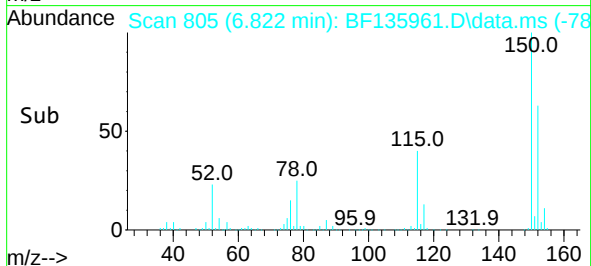
Instrument :
BNA_F
ClientSampleId :
72-11991



Tgt Ion:152 Resp: 18311
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 62.8 46.6 69.8

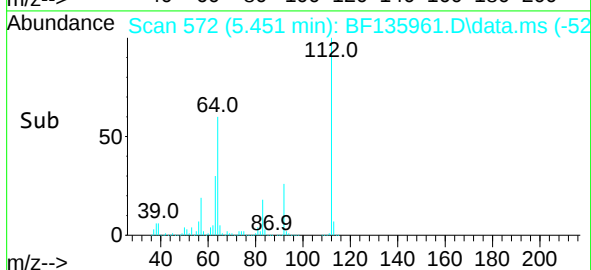
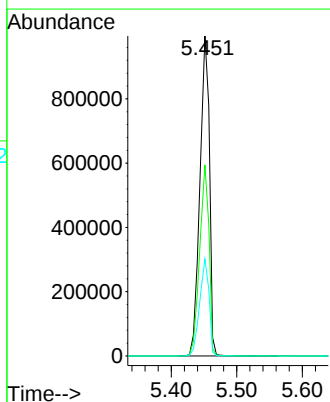
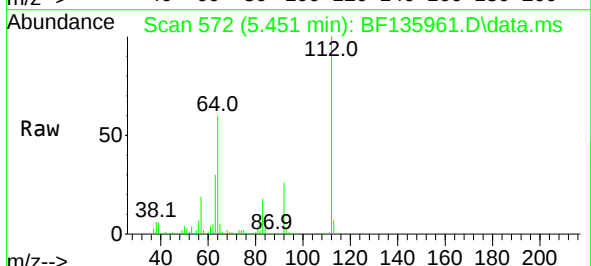
Manual Integrations
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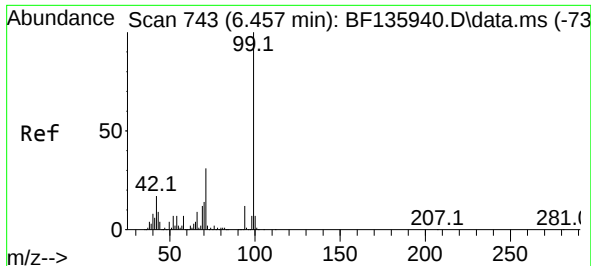
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#5
2-Fluorophenol
Concen: 85.182 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

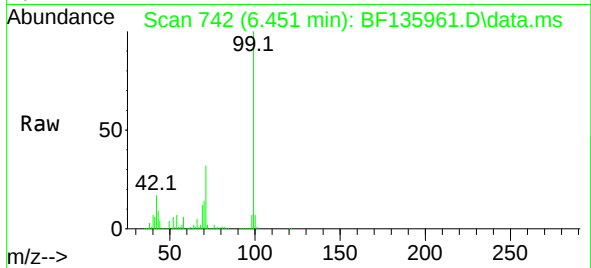
Tgt Ion:112 Resp: 1010111
Ion Ratio Lower Upper
112 100
64 59.7 45.1 67.7
63 30.3 23.0 34.4





#7
Phenol-d6
Concen: 87.302 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

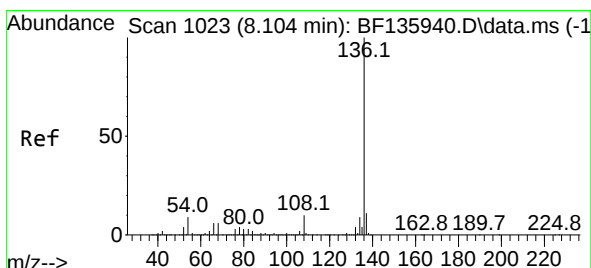
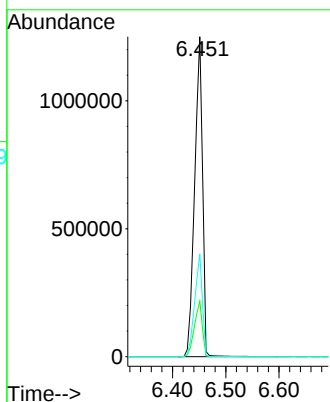
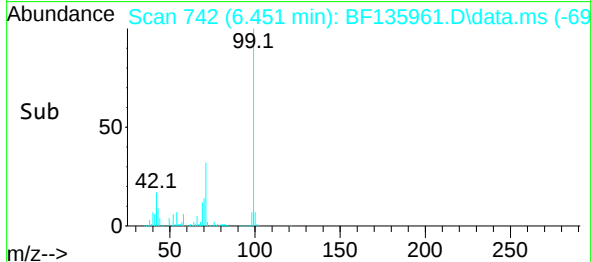
Instrument :
BNA_F
ClientSampleId :
72-11991



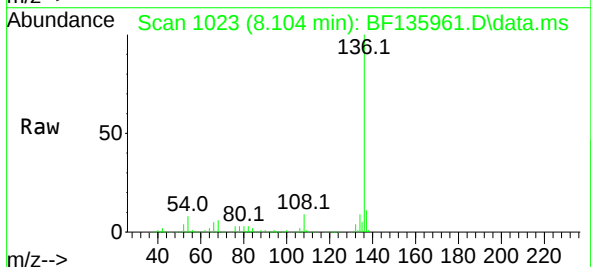
Tgt Ion: 99 Resp: 128885
Ion Ratio Lower Upper
99 100
42 17.4 13.8 20.8
71 32.2 25.1 37.7

Manual Integrations
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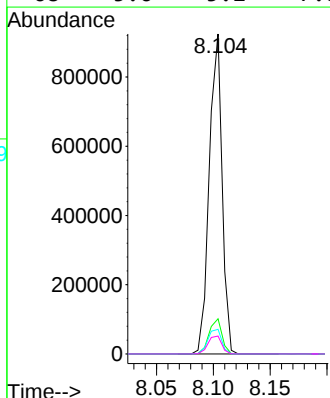
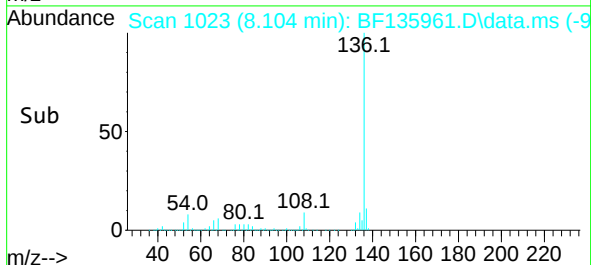
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

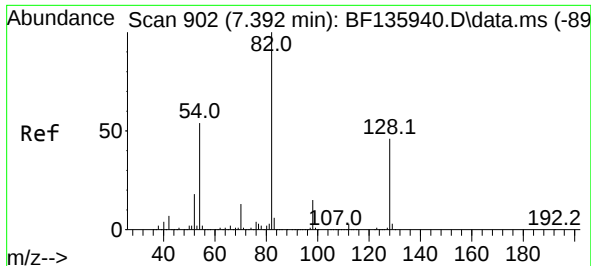


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00



Tgt Ion:136 Resp: 723967
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 7.7 7.1 10.7
68 5.6 5.2 7.8





#23

Nitrobenzene-d5

Concen: 66.524 ng

RT: 7.386 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

Instrument :

BNA_F

ClientSampleId :

72-11991

Tgt Ion: 82 Resp: 71884

Ion Ratio Lower Upper

82 100

128 48.3 36.8 55.2

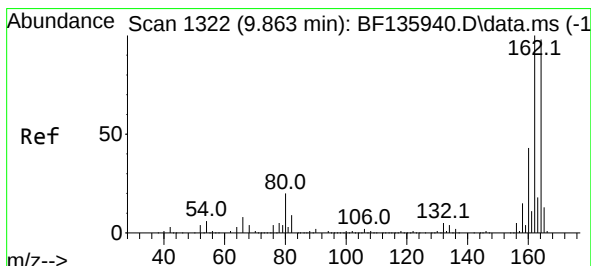
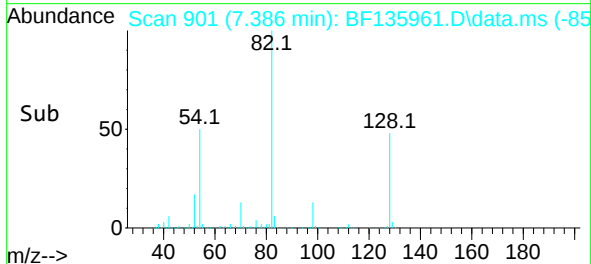
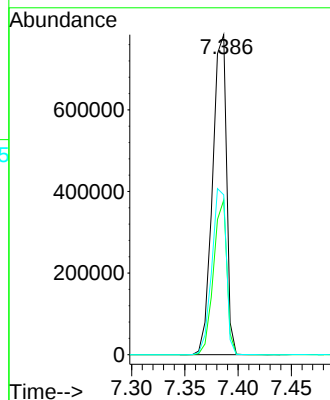
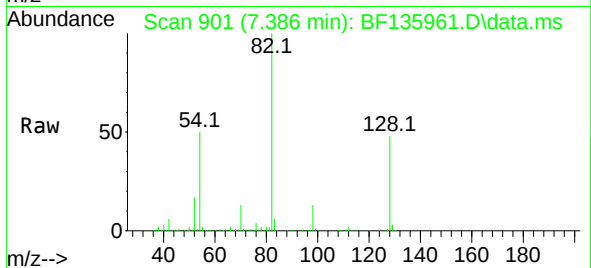
54 49.9 43.4 65.0

Manual Integrations

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Supervised By :mohammad ahmed 10/27/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

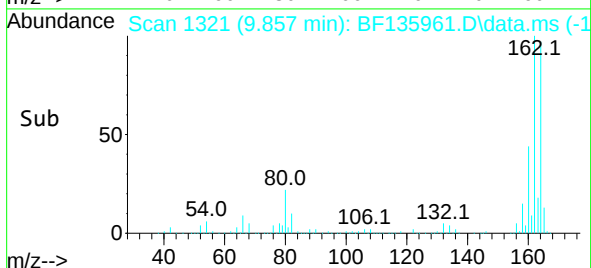
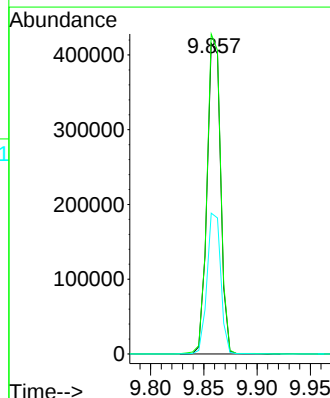
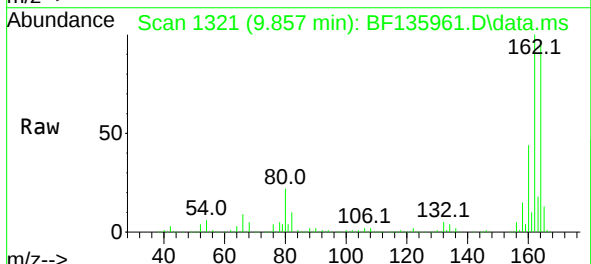
Tgt Ion:164 Resp: 371712

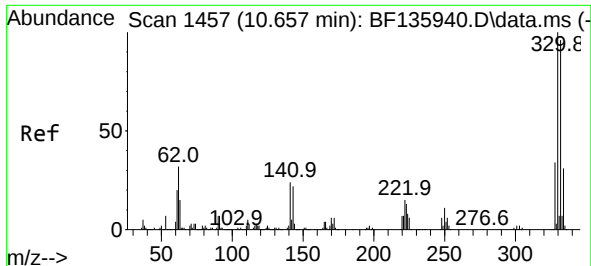
Ion Ratio Lower Upper

164 100

162 103.0 82.0 123.0

160 45.3 35.6 53.4





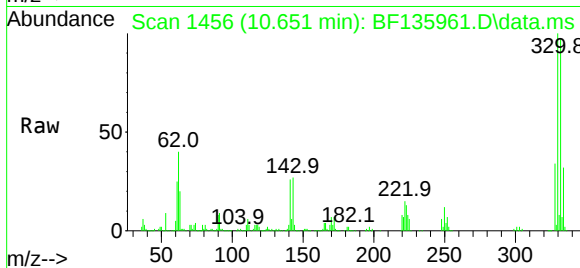
#42
2,4,6-Tribromophenol
Concen: 101.187 ng
RT: 10.651 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

Instrument :

BNA_F

ClientSampleId :

72-11991

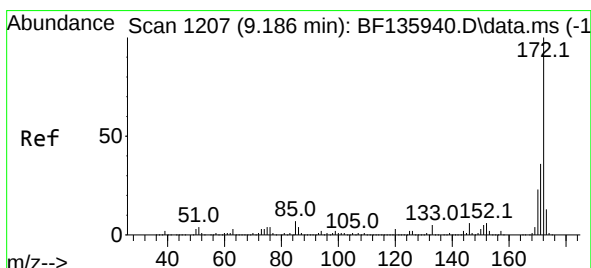
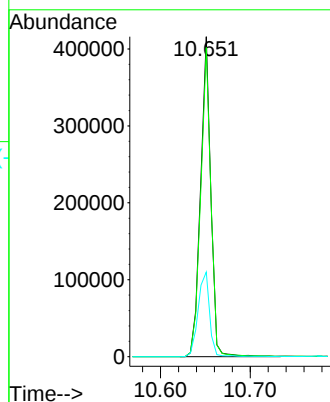
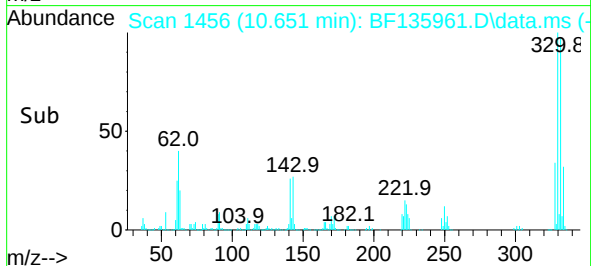


Tgt Ion:330 Resp: 329220
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.2
141 29.9 24.9 37.3

Manual Integrations

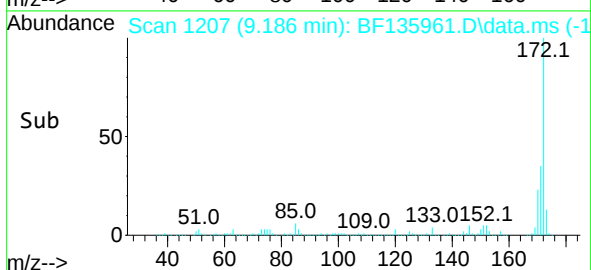
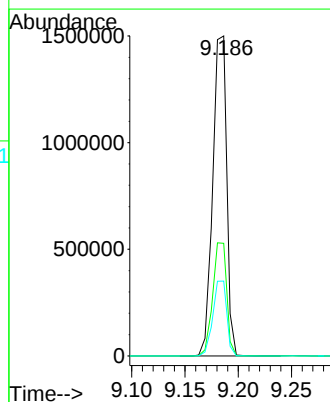
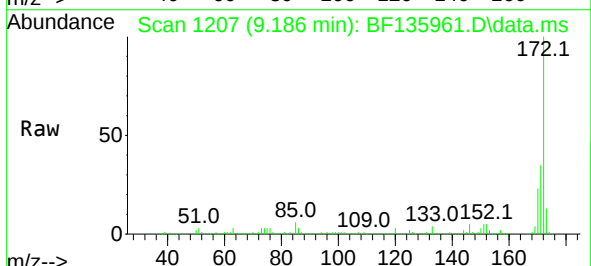
APPROVED

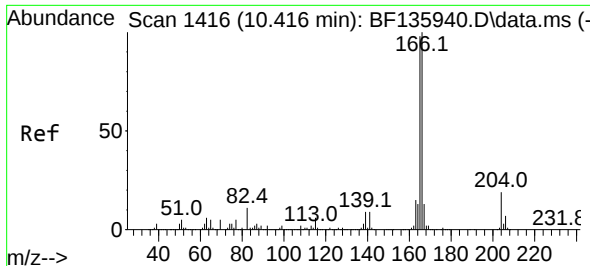
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#45
2-Fluorobiphenyl
Concen: 58.992 ng
RT: 9.186 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

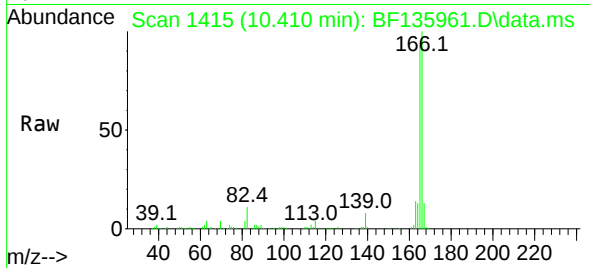
Tgt Ion:172 Resp: 1369440
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.4 18.6 28.0





#58
Fluorene
Concen: 2.958 ng
RT: 10.410 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

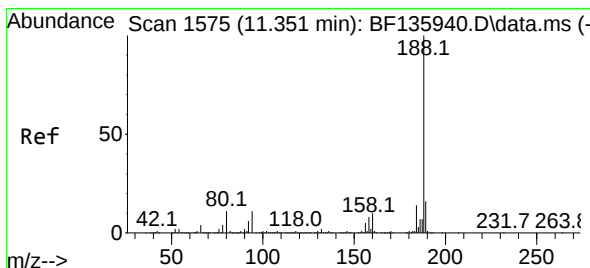
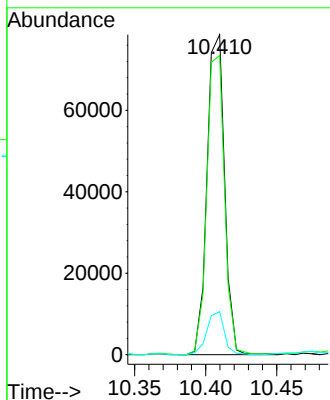
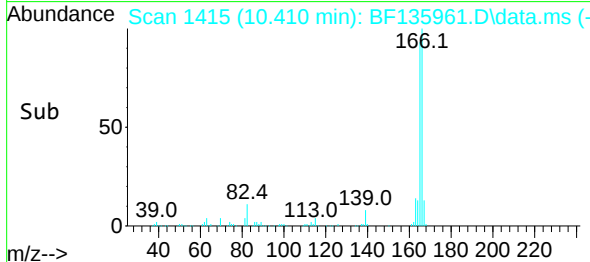
Instrument :
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ClientSampleId :
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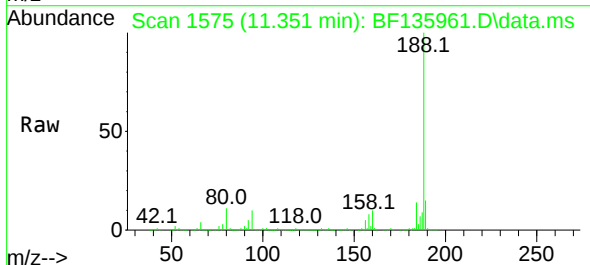
Tgt Ion:166 Resp: 6735
Ion Ratio Lower Upper
166 100
165 93.5 78.0 117.0
167 13.5 10.6 16.0

Manual Integrations
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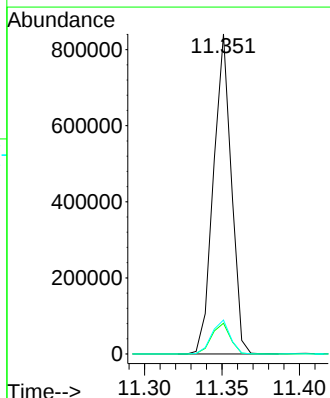
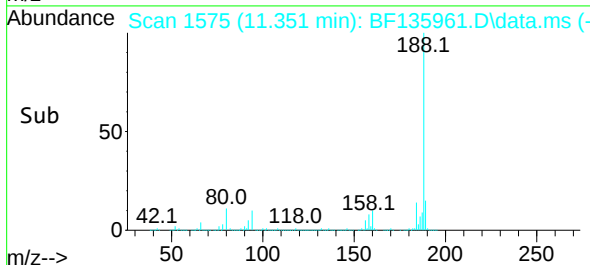
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

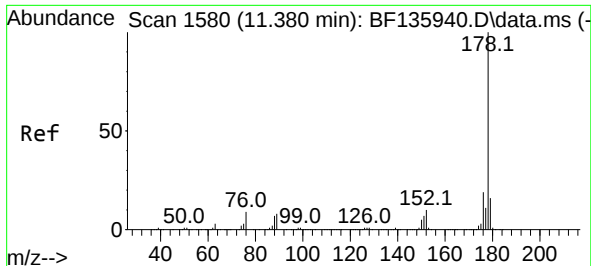


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00



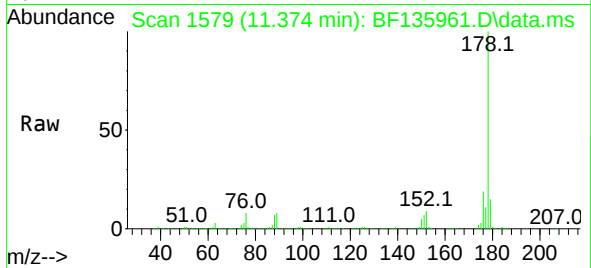
Tgt Ion:188 Resp: 674688
Ion Ratio Lower Upper
188 100
94 9.6 8.6 13.0
80 10.6 9.0 13.6





#71
Phenanthrene
Concen: 6.260 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

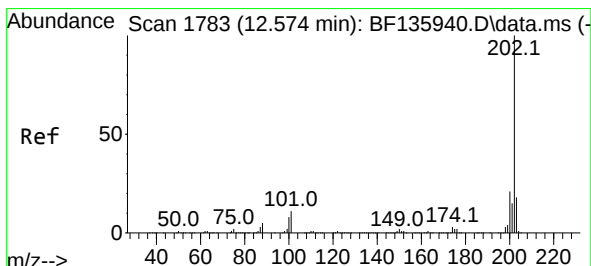
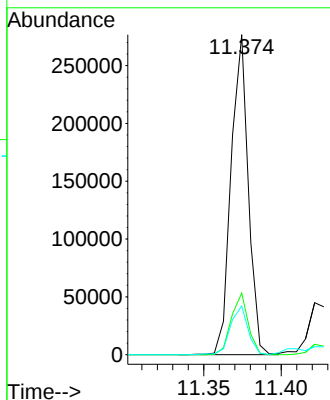
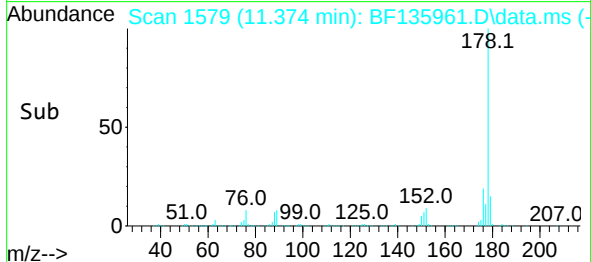
Instrument :
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ClientSampleId :
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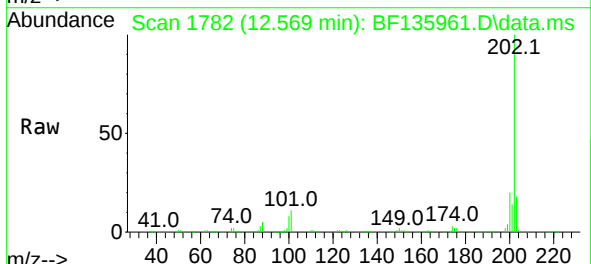
Tgt Ion:178 Resp: 21367
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.2 12.5 18.7

Manual Integrations
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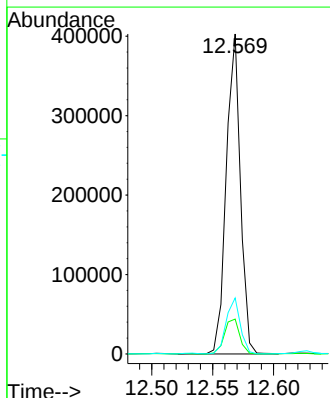
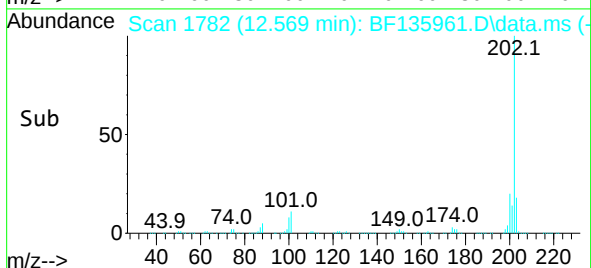
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

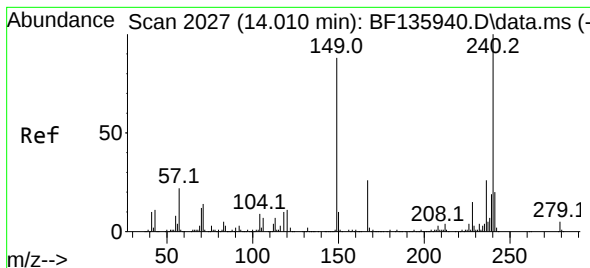


#75
Fluoranthene
Concen: 9.082 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00



Tgt Ion:202 Resp: 326140
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.6
203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF135961.D

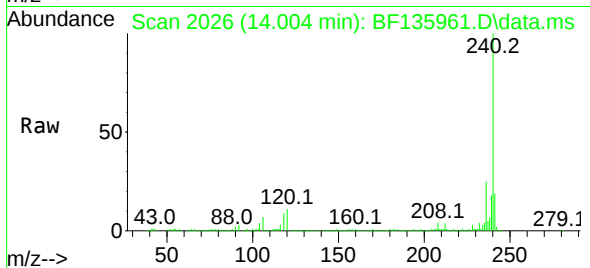
Acq: 26 Oct 2023 14:00

Instrument :

BNA_F

ClientSampleId :

72-11991



Tgt Ion:240 Resp: 35223

Ion Ratio Lower Upper

240 100

120 10.8 8.6 13.0

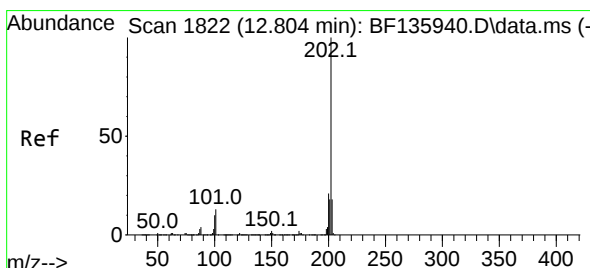
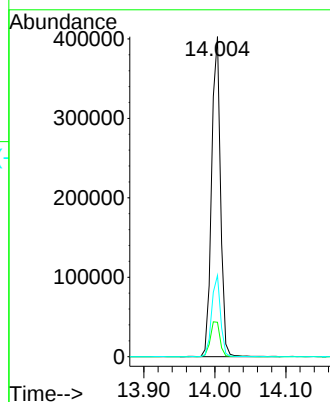
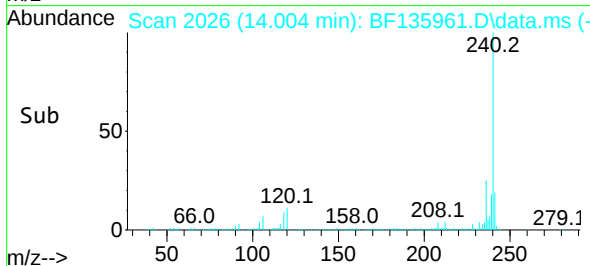
236 25.4 20.6 30.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/27/2023

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#78

Pyrene

Concen: 8.079 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

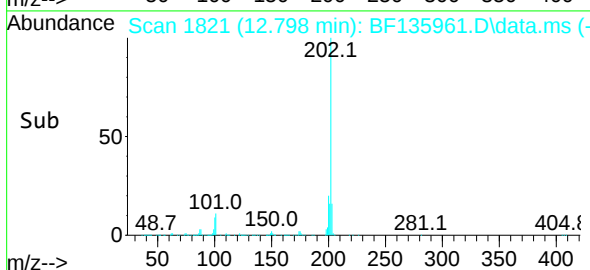
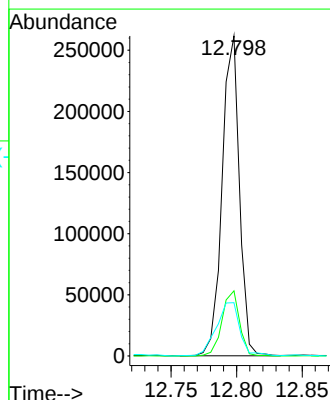
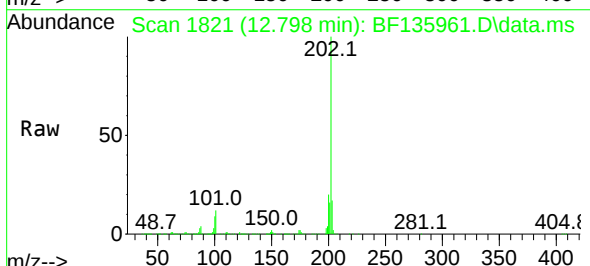
Tgt Ion:202 Resp: 238927

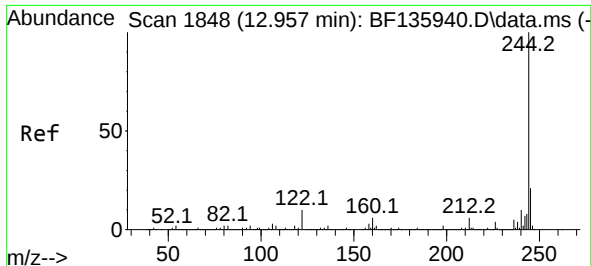
Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.6

203 16.7 14.5 21.7





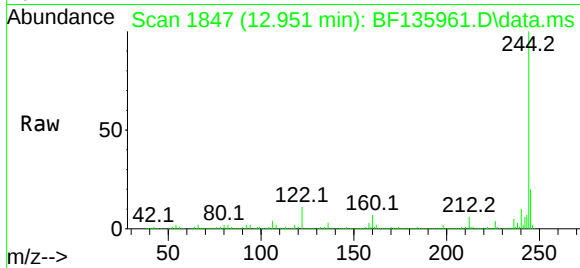
#79
 Terphenyl-d14
 Concen: 69.443 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135961.D
 Acq: 26 Oct 2023 14:00

Instrument :

BNA_F

ClientSampleId :

72-11991

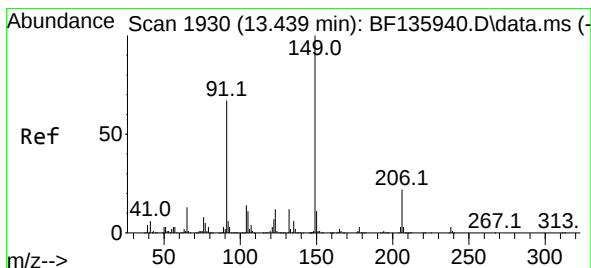
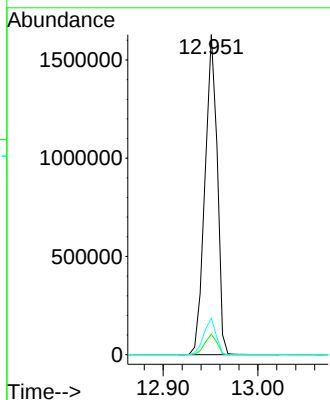
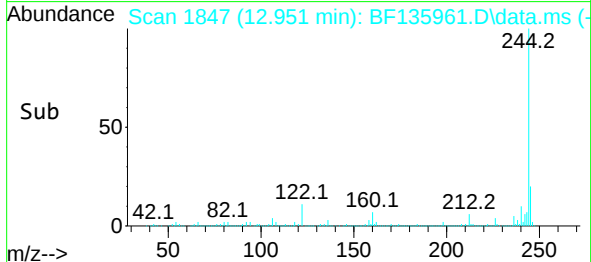


Tgt Ion:244 Resp: 1464014
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.6
 122 11.3 8.0 12.0

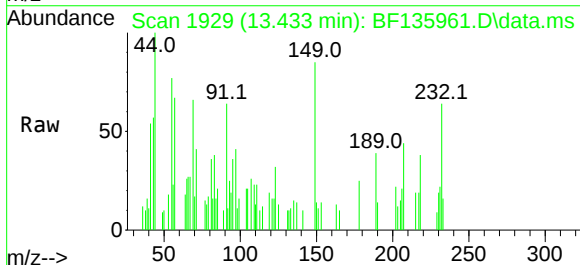
Manual Integrations

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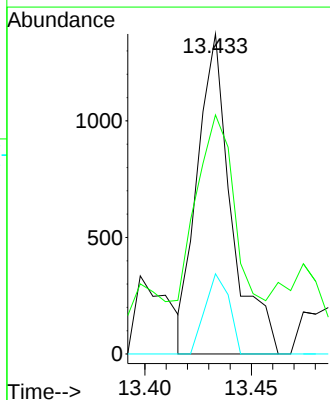
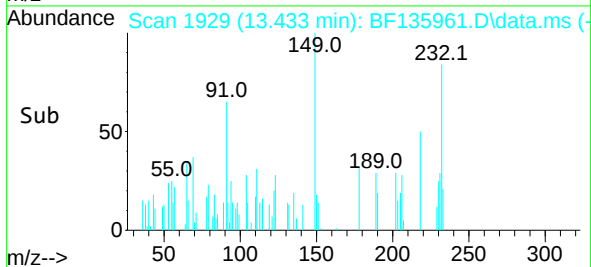
Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023

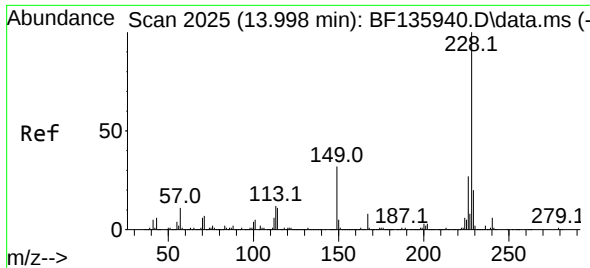


#80
 Butylbenzylphthalate
 Concen: 3.952 ng
 RT: 13.433 min Scan# 1929
 Delta R.T. -0.006 min
 Lab File: BF135961.D
 Acq: 26 Oct 2023 14:00



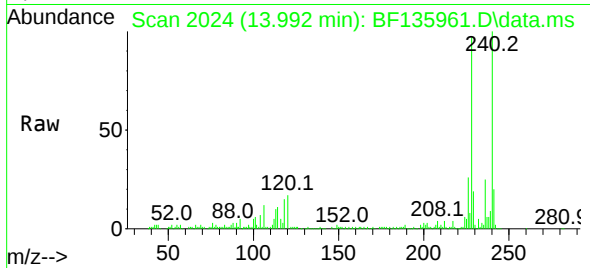
Tgt Ion:149 Resp: 1520
 Ion Ratio Lower Upper
 149 100
 91 74.7 53.4 80.0
 206 25.1 17.5 26.3





#81
Benzo(a)anthracene
Concen: 3.265 ng
RT: 13.992 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

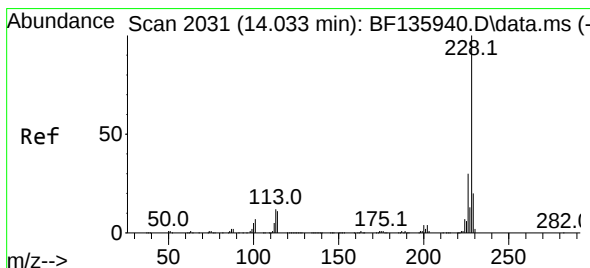
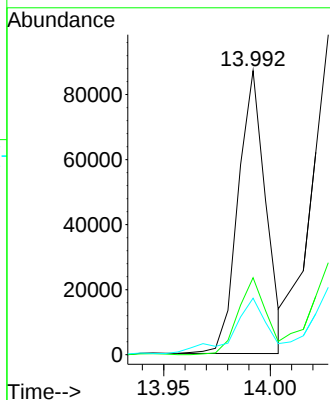
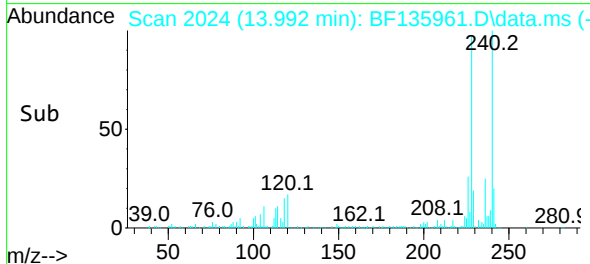
Instrument :
BNA_F
ClientSampleId :
72-11991



Tgt Ion:228 Resp: 78190
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.6
229 19.9 16.2 24.4

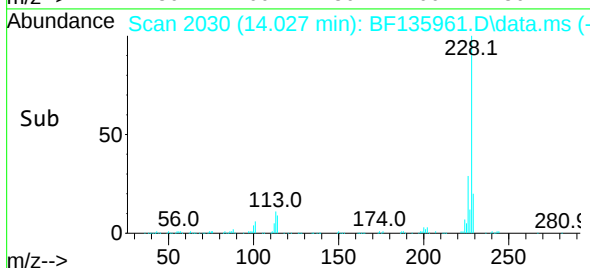
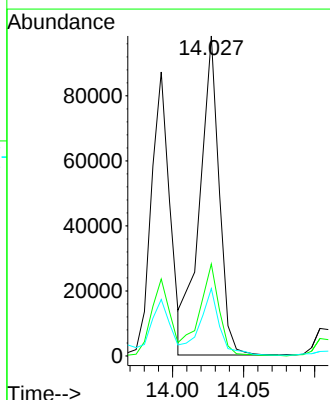
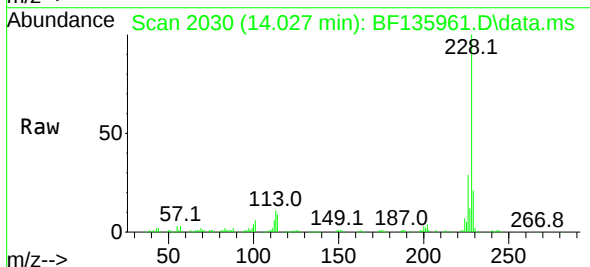
Manual Integrations
APPROVED

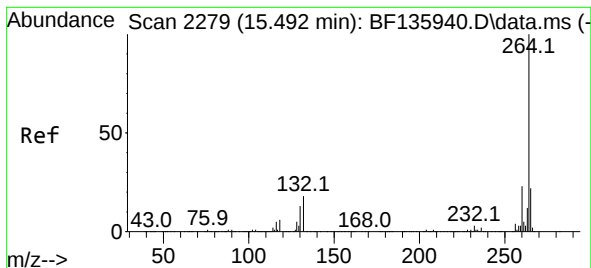
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#83
Chrysene
Concen: 4.036 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

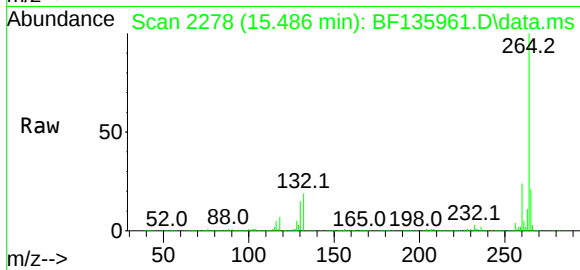
Tgt Ion:228 Resp: 94145
Ion Ratio Lower Upper
228 100
226 28.8 23.9 35.9
229 21.0 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

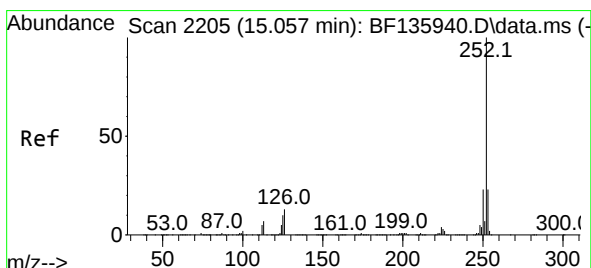
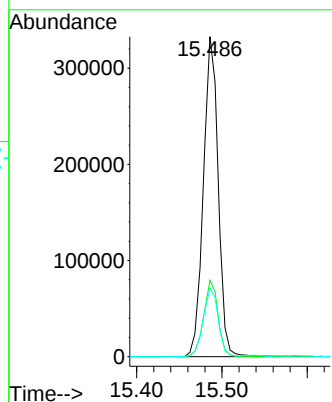
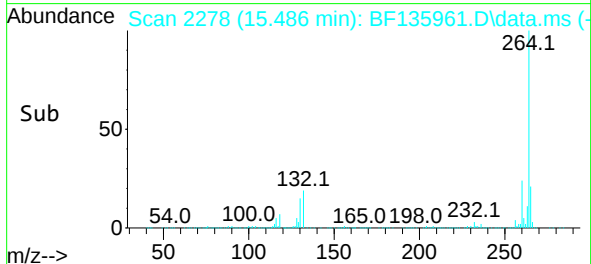
Instrument :
BNA_F
ClientSampleId :
72-11991



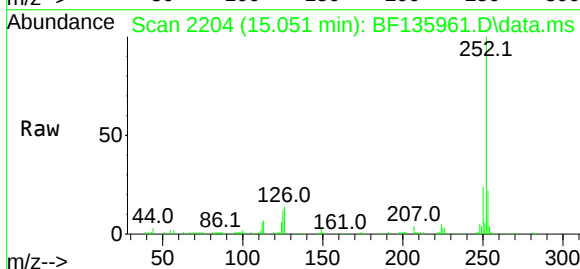
Tgt Ion:264 Resp: 402048
Ion Ratio Lower Upper
264 100
260 23.8 18.6 28.0
265 21.5 17.3 25.9

Manual Integrations
APPROVED

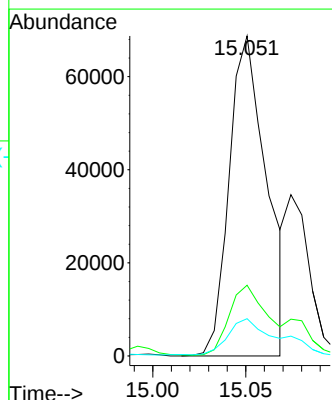
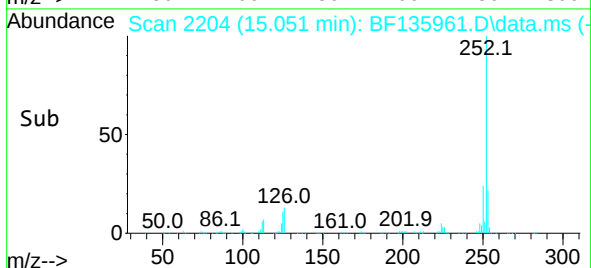
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

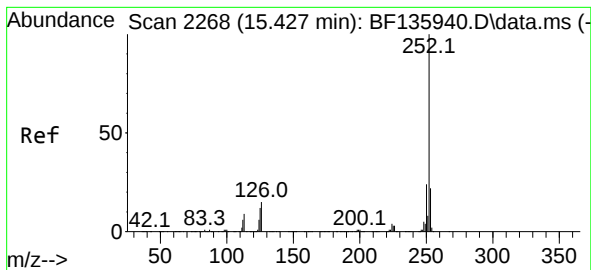


#88
Benzo(b)fluoranthene
Concen: 4.031 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00



Tgt Ion:252 Resp: 96440
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 11.6 8.2 12.4





#90

Benzo(a)pyrene

Concen: 2.749 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

Instrument :

BNA_F

ClientSampleId :

72-11991

Tgt Ion:252 Resp: 60614

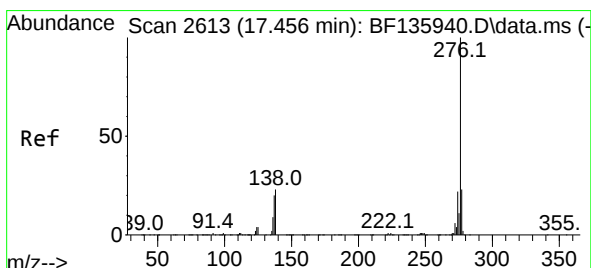
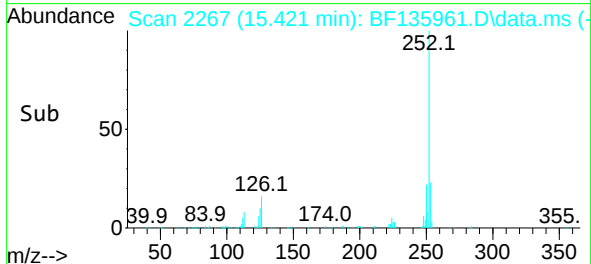
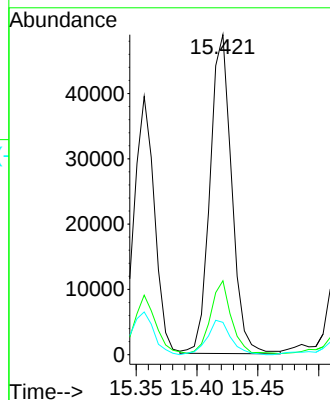
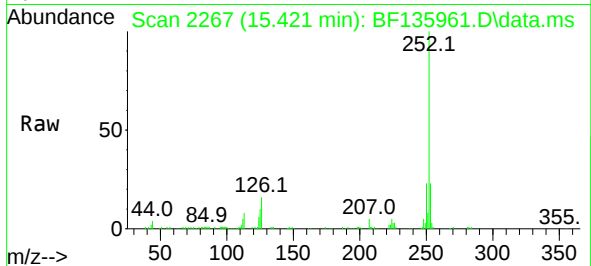
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	10.1	9.6	14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#92

Benzo(g,h,i)perylene

Concen: 5.305 ng m

RT: 17.427 min Scan# 2608

Delta R.T. -0.029 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

Tgt Ion:276 Resp: 37212

Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.6	28.0
138	28.3	18.4	27.6

