

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
 Data File : BF139829.D
 Acq On : 16 Oct 2024 14:07
 Operator : RC/JU
 Sample : P4401-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101424

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :mohammad ahmed 10/17/2024

Quant Time: Oct 16 14:45:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 16:41:54 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	87765	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	317075	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	148861	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	232285	20.000	ng	0.00
76) Chrysene-d12	14.010	240	162720	20.000	ng	0.00
86) Perylene-d12	15.480	264	113755	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	385647	74.141	ng	0.00
7) Phenol-d6	6.487	99	499919	72.267	ng	0.00
23) Nitrobenzene-d5	7.416	82	309940	50.312	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	83039	66.142	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	544627	54.722	ng	0.00
79) Terphenyl-d14	12.957	244	467864	48.093	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	76797	6.921	ng	99
72) Anthracene	11.445	178	27533	2.525	ng	97
75) Fluoranthene	12.586	202	304397	29.077	ng	99
78) Pyrene	12.816	202	292414	18.280	ng	100
81) Benzo(a)anthracene	14.004	228	168775	15.615	ng	97
83) Chrysene	14.039	228	122888	12.474	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	61786	8.111	ng	96
88) Benzo(b)fluoranthene	15.051	252	155533m	23.836	ng	
89) Benzo(k)fluoranthene	15.068	252	49476m	8.544	ng	
90) Benzo(a)pyrene	15.415	252	106229	18.639	ng	95
91) Dibenzo(a,h)anthracene	16.951	278	15383	2.463	ng	# 86
92) Benzo(g,h,i)perylene	17.386	276	69627	10.627	ng	98

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

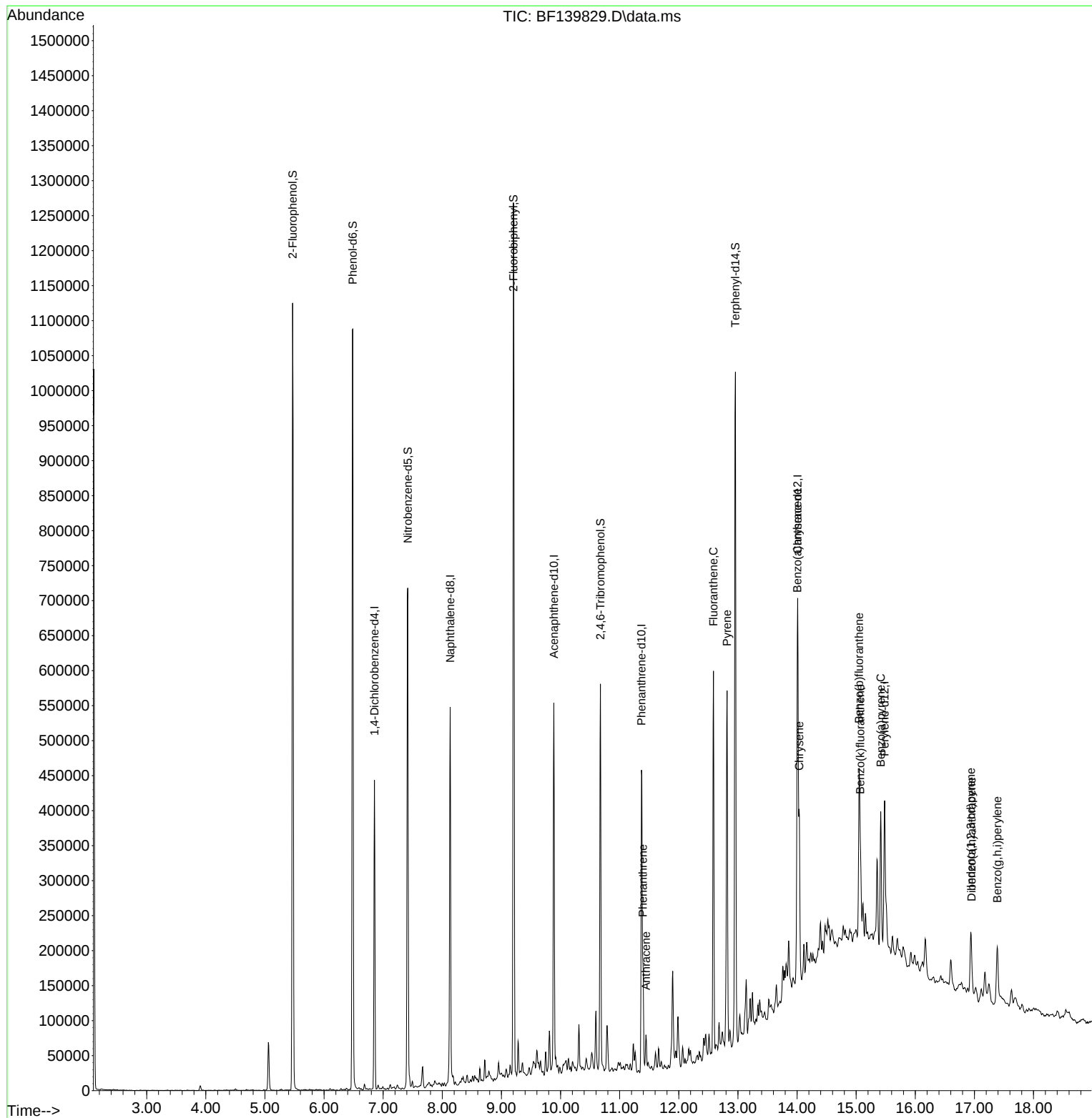
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
Data File : BF139829.D
Acq On : 16 Oct 2024 14:07
Operator : RC/JU
Sample : P4401-01
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ALS Vial : 9 Sample Multiplier: 1

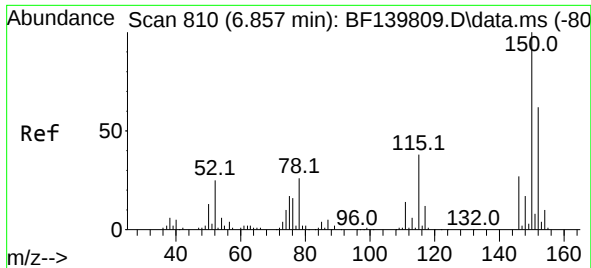
Instrument :
BNA_F
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SU-03-101424

Quant Time: Oct 16 14:45:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
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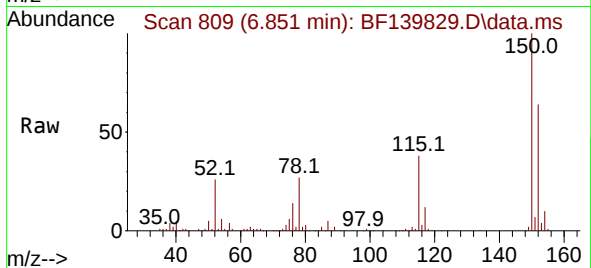
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424



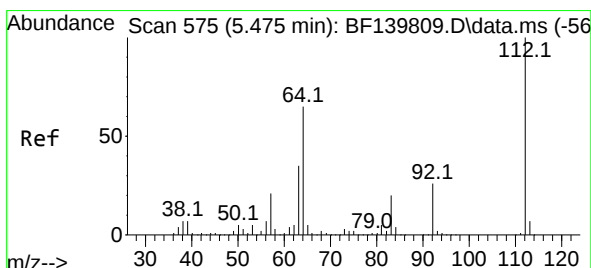
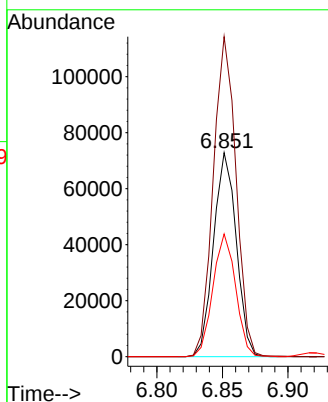
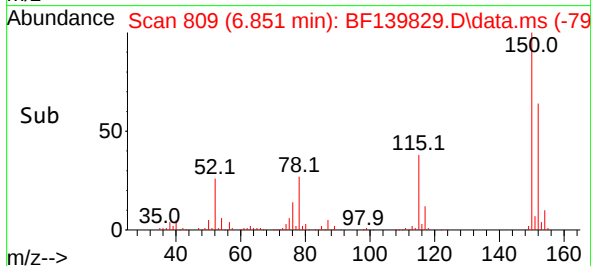
Tgt Ion:152 Resp: 8776
Ion Ratio Lower Upper
152 100
150 156.9 128.2 192.2
115 60.2 48.1 72.1

Manual Integrations

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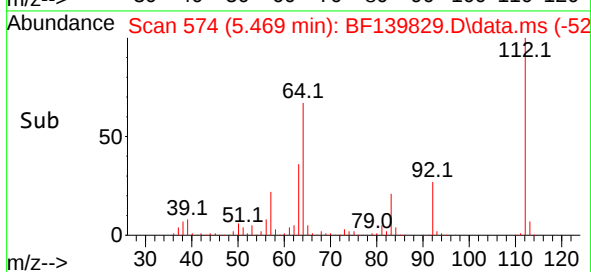
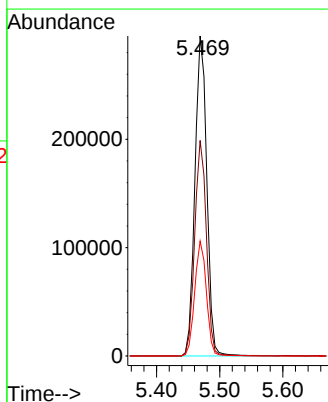
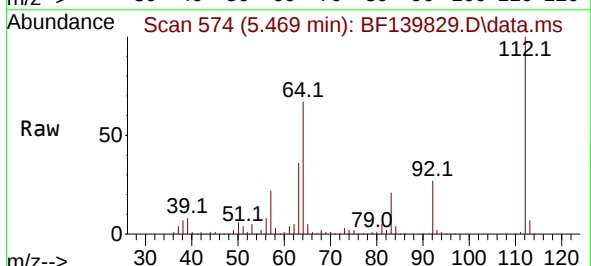
Reviewed By :Yogesh Patel 10/17/2024

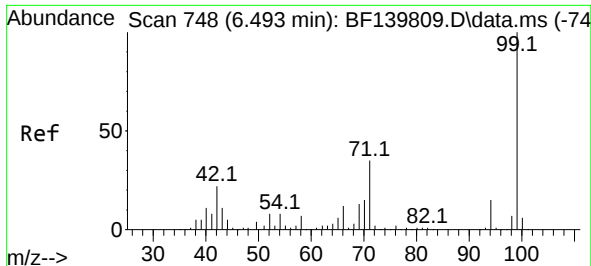
Supervised By :mohammad ahmed 10/17/2024



#5
2-Fluorophenol
Concen: 74.141 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

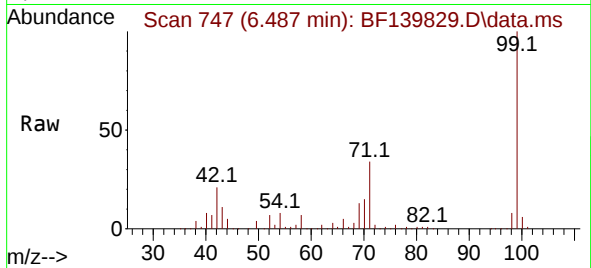
Tgt Ion:112 Resp: 385647
Ion Ratio Lower Upper
112 100
64 67.4 52.1 78.1
63 35.9 27.6 41.4





#7
Phenol-d6
Concen: 72.267 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

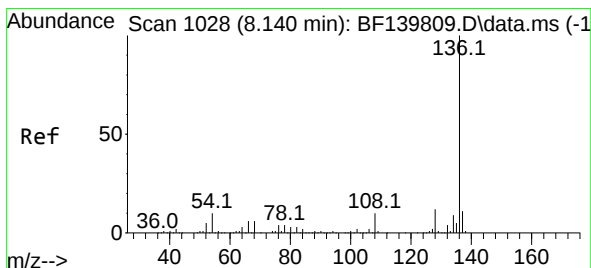
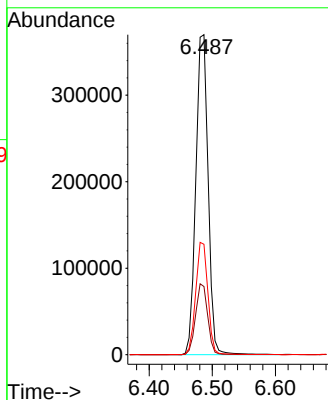
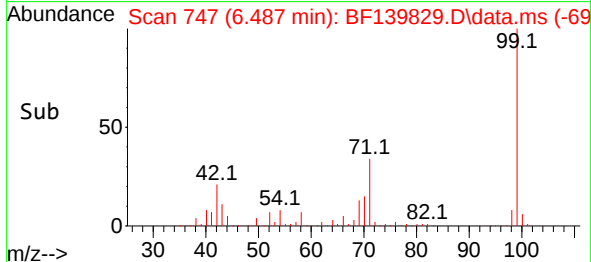
Instrument :
BNA_F
ClientSampleId :
SU-03-101424



Tgt Ion: 99 Resp: 499919
Ion Ratio Lower Upper
99 100
42 21.3 17.3 25.9
71 34.5 27.8 41.6

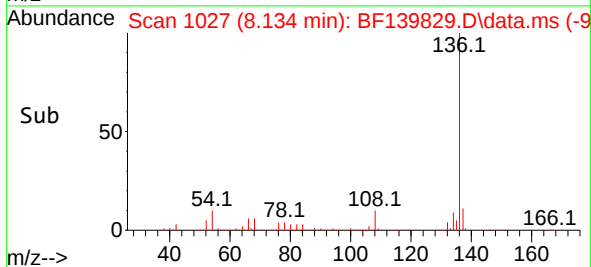
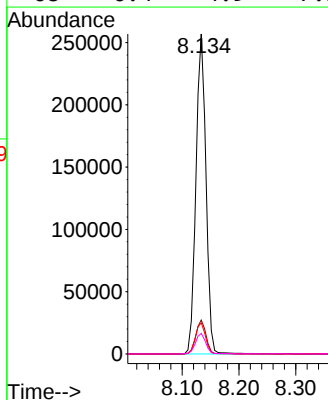
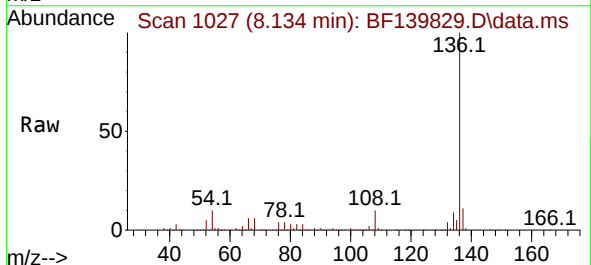
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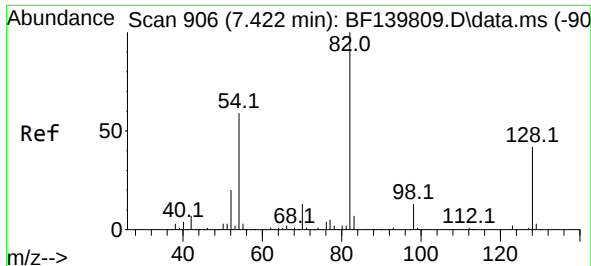
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Tgt Ion:136 Resp: 317075
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 9.7 7.7 11.5
68 6.4 4.9 7.3





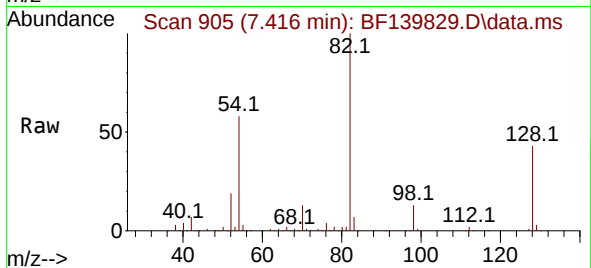
#23
Nitrobenzene-d5
Concen: 50.312 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424

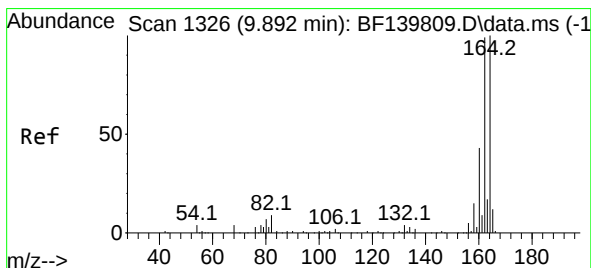
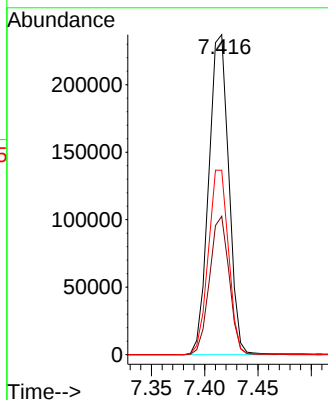
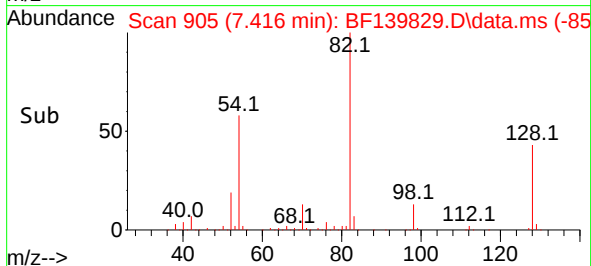


Tgt Ion: 82 Resp: 309940
Ion Ratio Lower Upper
82 100
128 43.3 33.9 50.9
54 57.7 46.9 70.3

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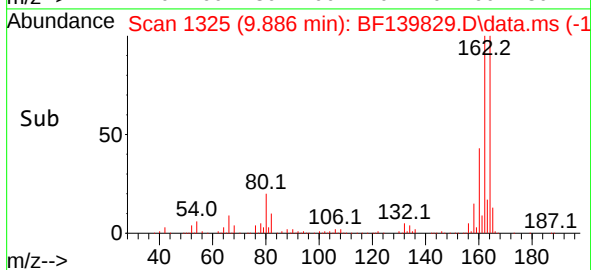
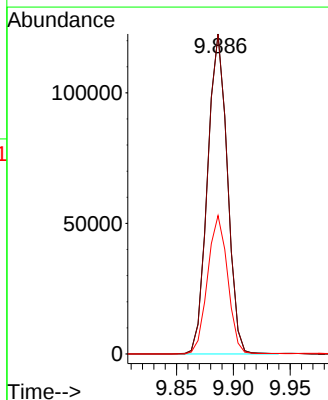
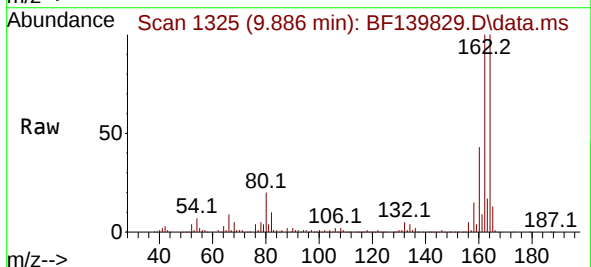
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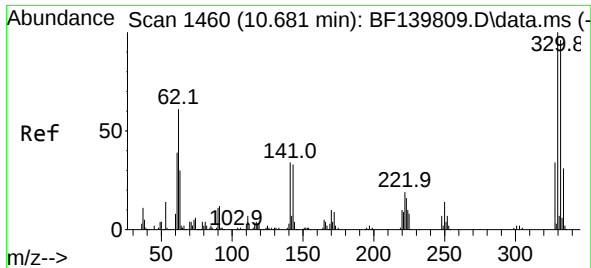
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Tgt Ion:164 Resp: 148861
Ion Ratio Lower Upper
164 100
162 99.9 79.1 118.7
160 43.3 34.4 51.6





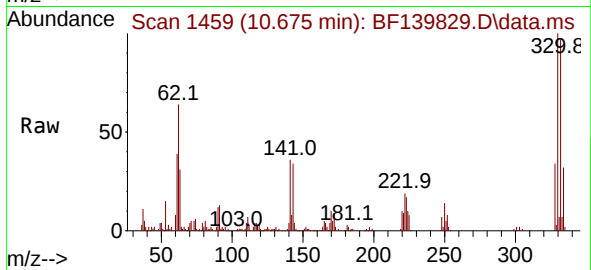
#42
2,4,6-Tribromophenol
Concen: 66.142 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424



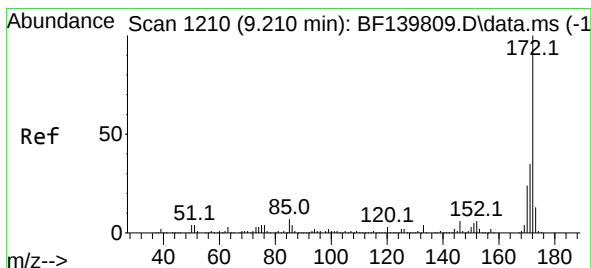
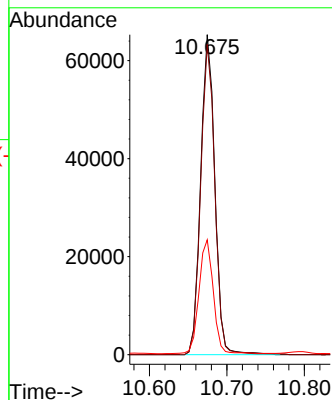
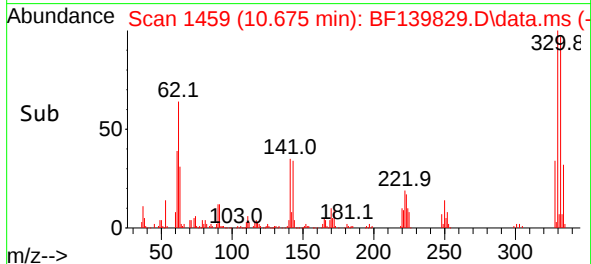
Tgt Ion: 330 Resp: 83039
Ion Ratio Lower Upper
330 100
332 96.6 76.6 114.8
141 36.1 27.8 41.6

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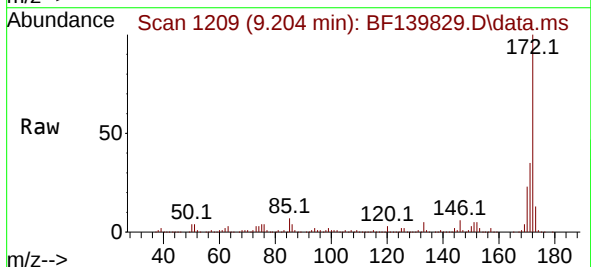
APPROVED

Reviewed By : Yogesh Patel 10/17/2024

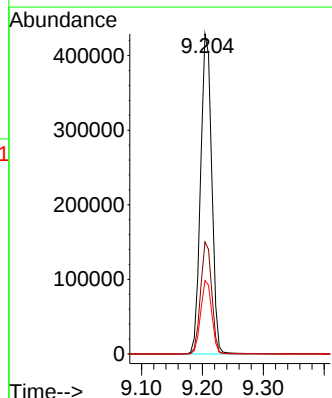
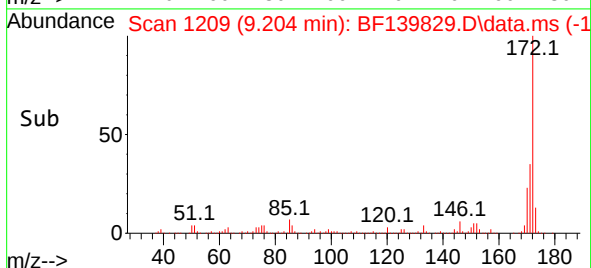
Supervised By : mohammad ahmed 10/17/2024

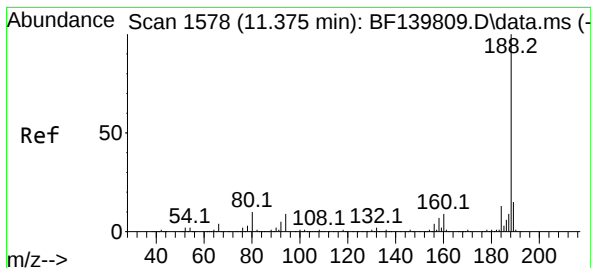


#45
2-Fluorobiphenyl
Concen: 54.722 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07



Tgt Ion: 172 Resp: 544627
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 23.0 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

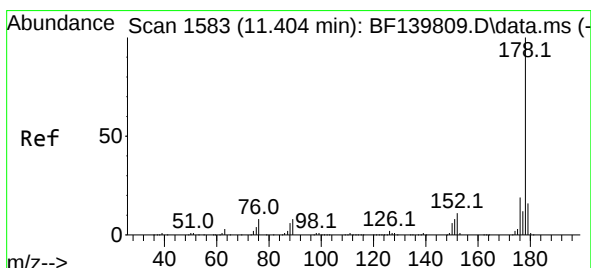
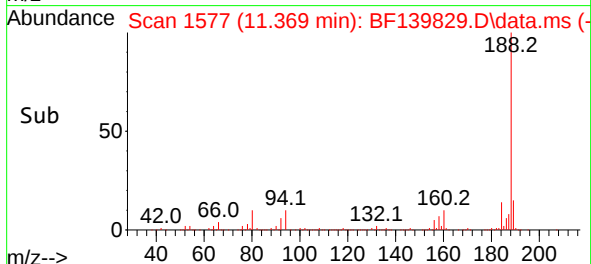
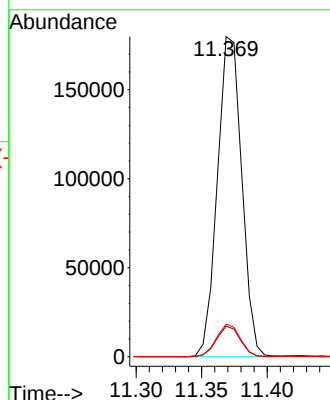
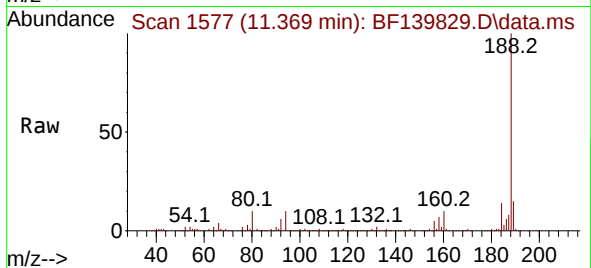
SU-03-101424

Tgt Ion:188 Resp: 232285
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.3 10.9
 80 10.2 7.8 11.8

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#71

Phenanthrene

Concen: 6.921 ng

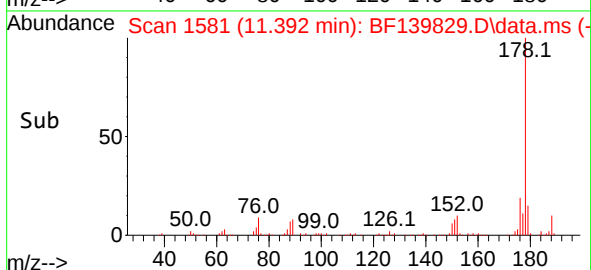
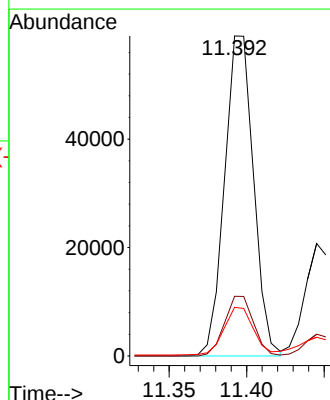
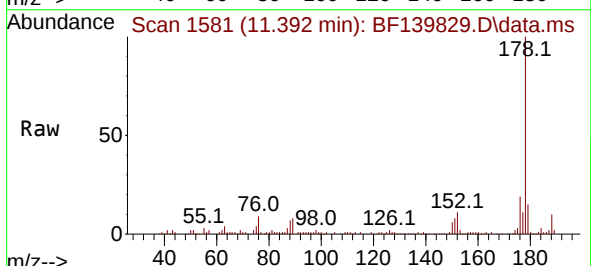
RT: 11.392 min Scan# 1581

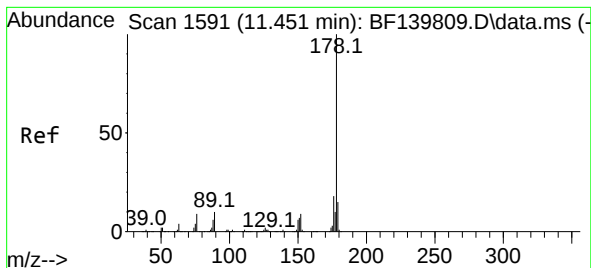
Delta R.T. -0.012 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Tgt Ion:178 Resp: 76797
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.5 23.3
 179 15.2 12.5 18.7





#72

Anthracene

Concen: 2.525 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424

Tgt Ion:178 Resp: 2753

Ion Ratio Lower Upper

178 100

176 19.3 14.6 21.8

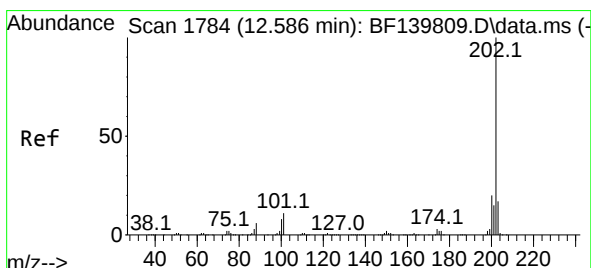
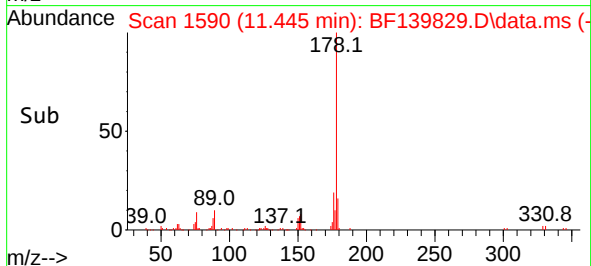
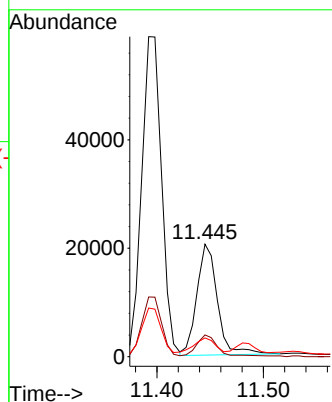
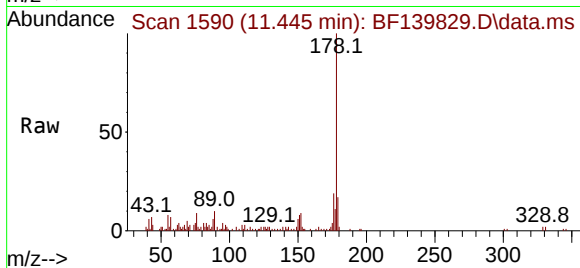
179 16.7 12.4 18.6

Manual Integrations

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Supervised By :mohammad ahmed 10/17/2024



#75

Fluoranthene

Concen: 29.077 ng

RT: 12.586 min Scan# 1784

Delta R.T. -0.000 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

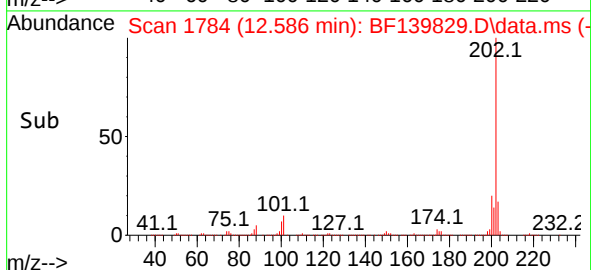
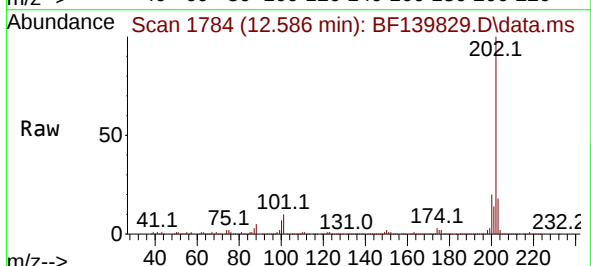
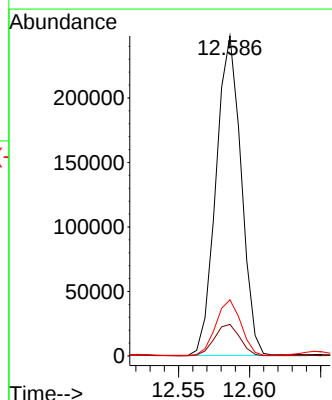
Tgt Ion:202 Resp: 304397

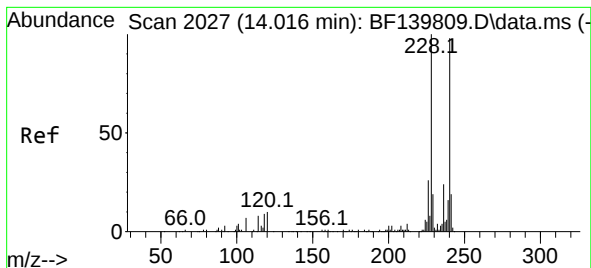
Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.8

203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424

Tgt Ion:240 Resp: 162720

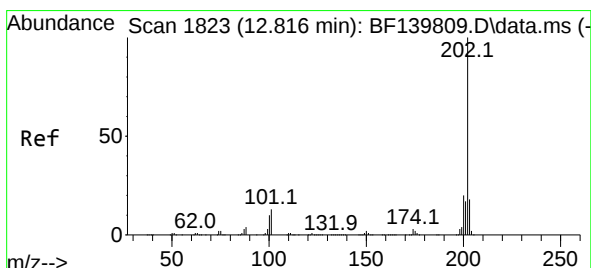
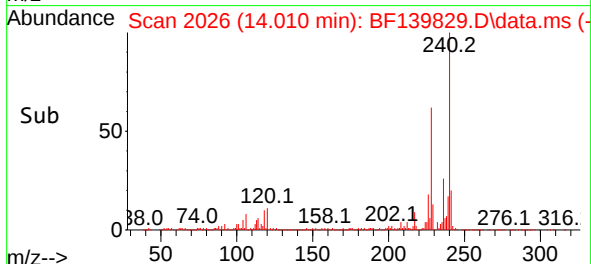
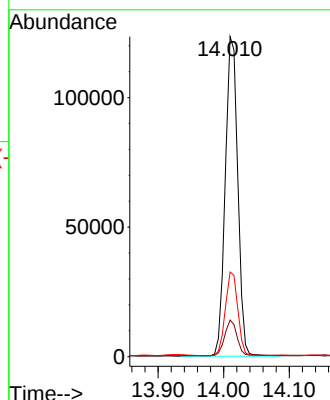
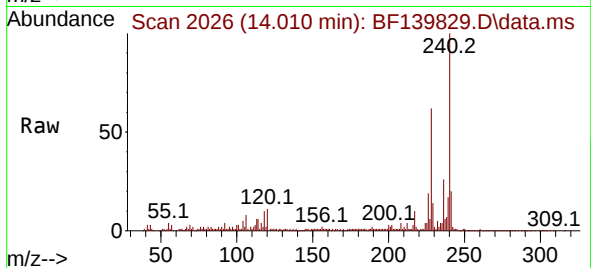
Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.6	12.8
236	26.5	20.0	30.0

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Supervised By :mohammad ahmed 10/17/2024



#78

Pyrene

Concen: 18.280 ng

RT: 12.816 min Scan# 1823

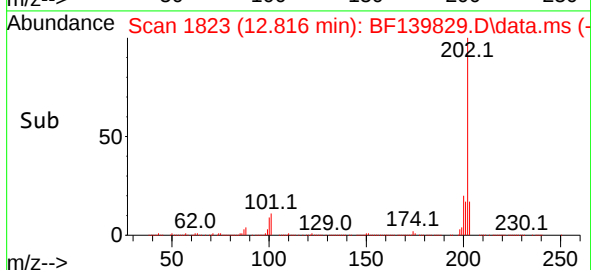
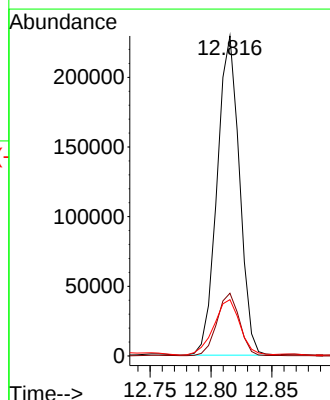
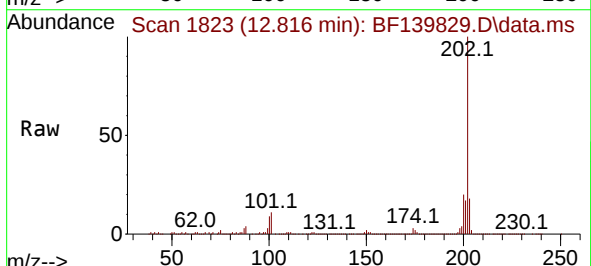
Delta R.T. -0.000 min

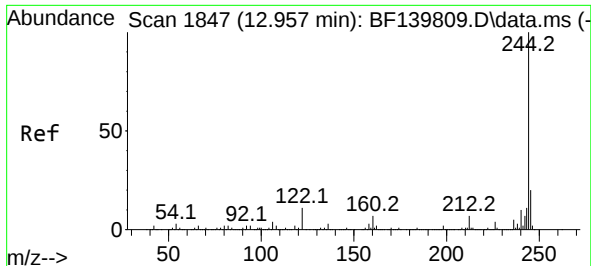
Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Tgt Ion:202 Resp: 292414

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.9	23.9
203	17.6	14.0	21.0





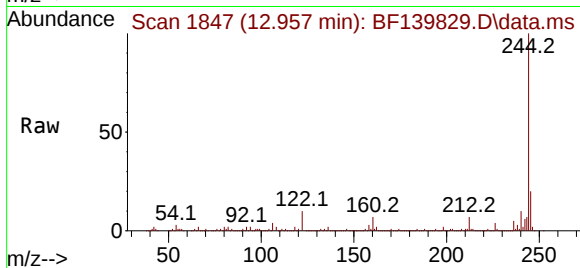
#79
 Terphenyl-d14
 Concen: 48.093 ng
 RT: 12.957 min Scan# 1847
 Delta R.T. -0.000 min
 Lab File: BF139829.D
 Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424



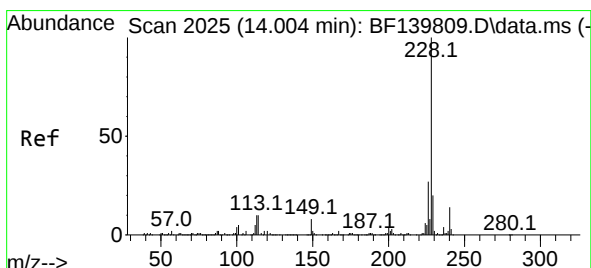
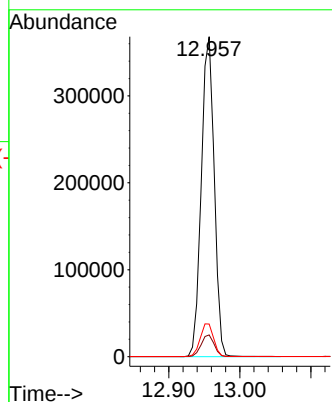
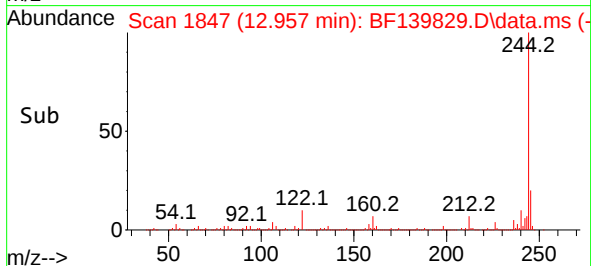
Tgt Ion:244 Resp: 467864
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 10.2 8.9 13.3

Manual Integrations

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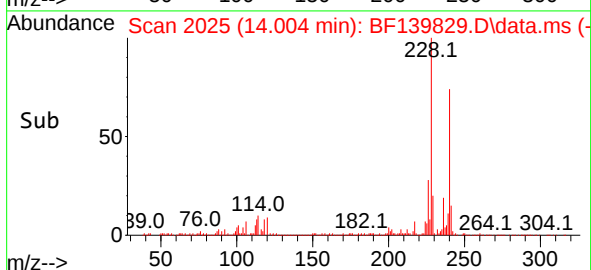
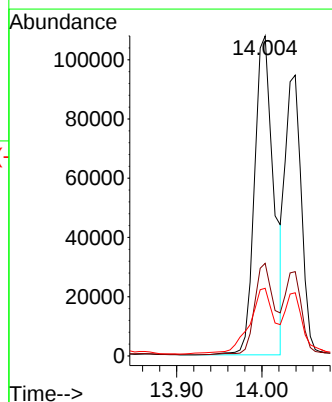
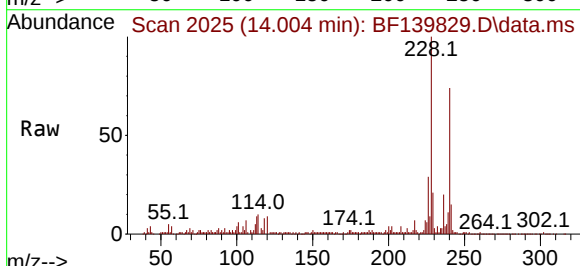
Reviewed By :Yogesh Patel 10/17/2024

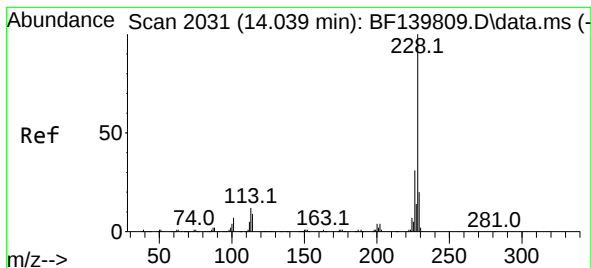
Supervised By :mohammad ahmed 10/17/2024



#81
 Benzo(a)anthracene
 Concen: 15.615 ng
 RT: 14.004 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: BF139829.D
 Acq: 16 Oct 2024 14:07

Tgt Ion:228 Resp: 168775
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.8 32.8
 229 21.1 15.8 23.8





#83

Chrysene

Concen: 12.474 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139829.D

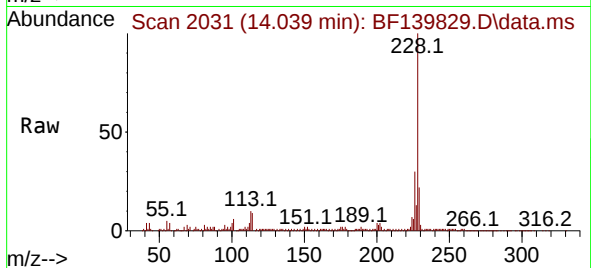
Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424



Tgt Ion:228 Resp: 12288

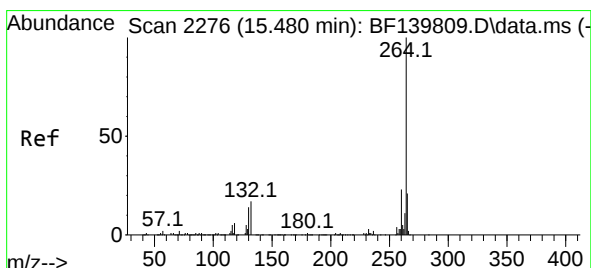
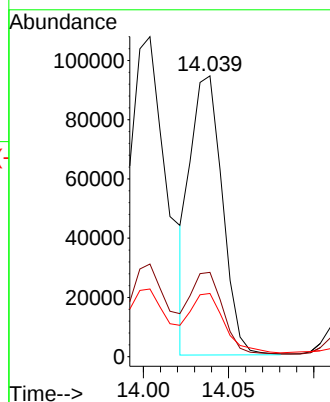
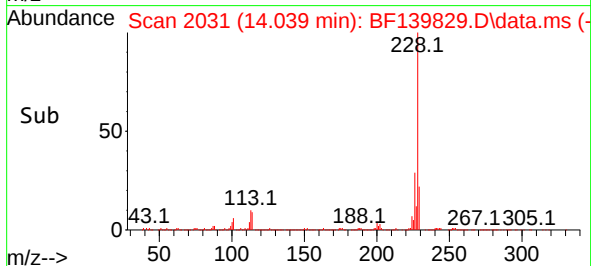
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	22.5	15.8	23.6

Manual Integrations

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Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#86

Perylene-d12

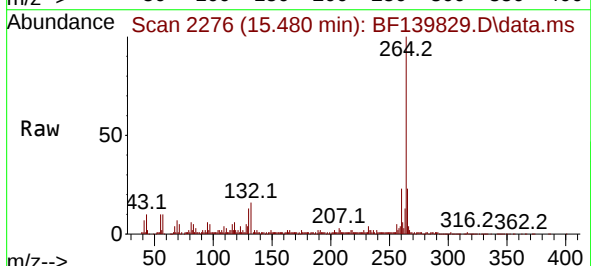
Concen: 20.000 ng

RT: 15.480 min Scan# 2276

Delta R.T. -0.000 min

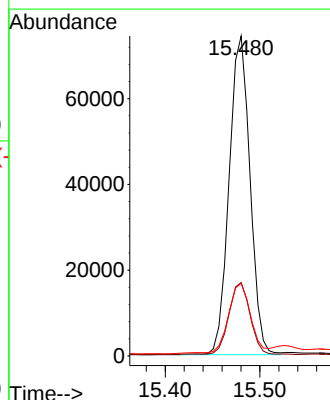
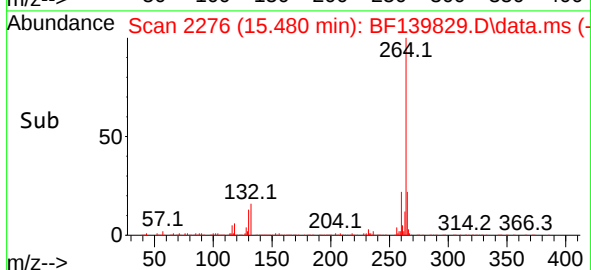
Lab File: BF139829.D

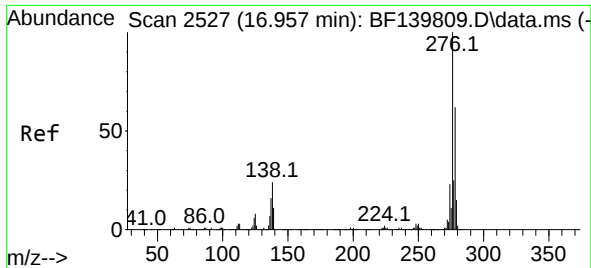
Acq: 16 Oct 2024 14:07



Tgt Ion:264 Resp: 113755

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.8	28.2
265	22.8	17.2	25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.111 ng
RT: 16.939 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

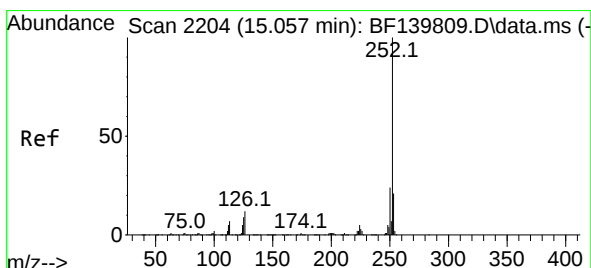
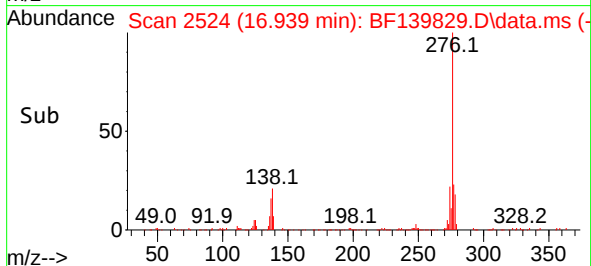
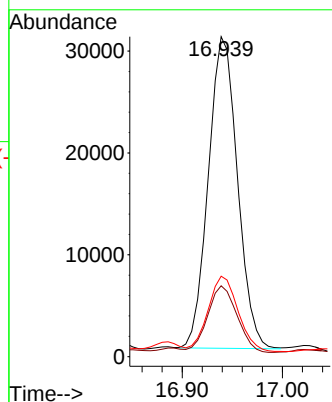
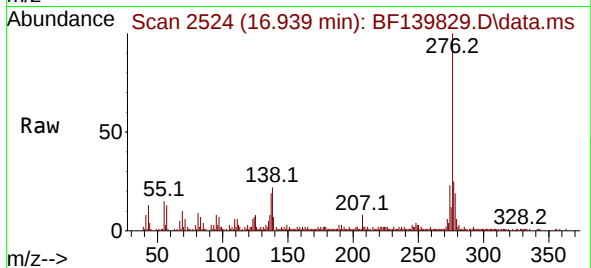
ClientSampleId :

SU-03-101424

Tgt Ion:276 Resp: 61780
Ion Ratio Lower Upper
276 100
138 21.4 20.0 30.0
277 24.8 20.1 30.1

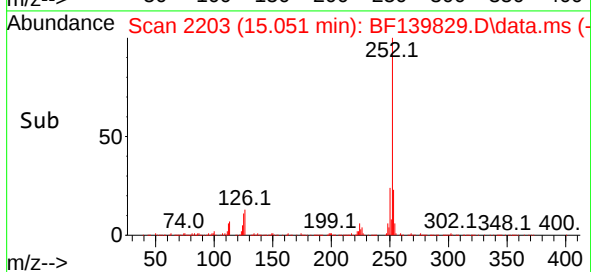
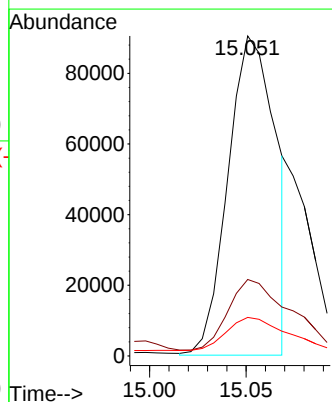
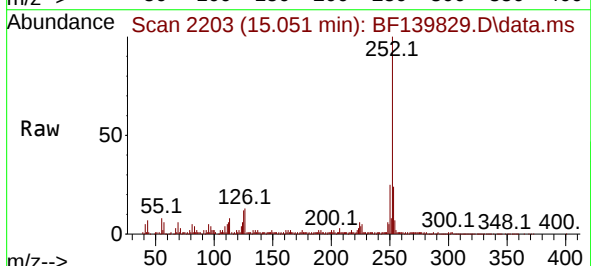
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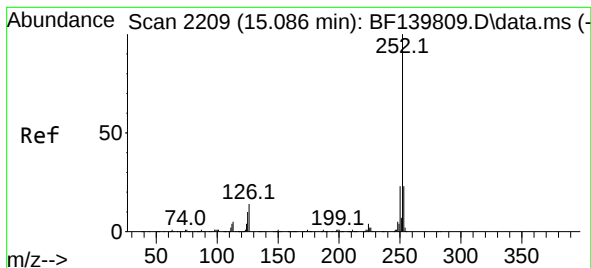
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#88
Benzo(b)fluoranthene
Concen: 23.836 ng m
RT: 15.051 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Tgt Ion:252 Resp: 155533
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 12.1 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 8.544 ng m

RT: 15.068 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424

Tgt Ion:252 Resp: 49470

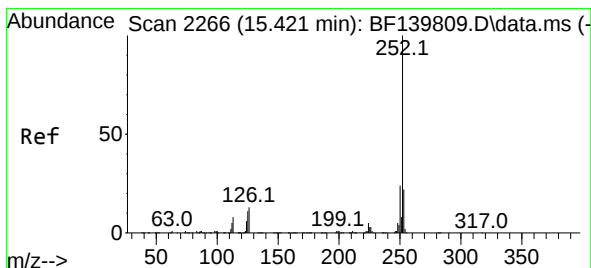
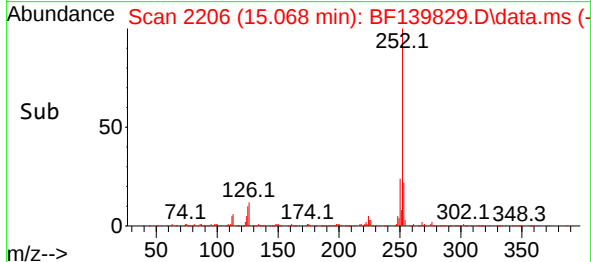
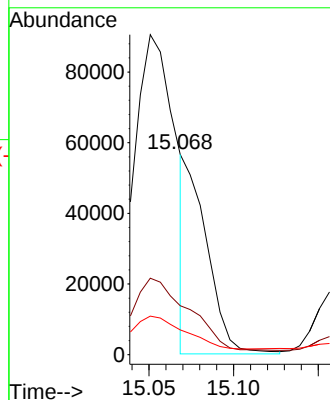
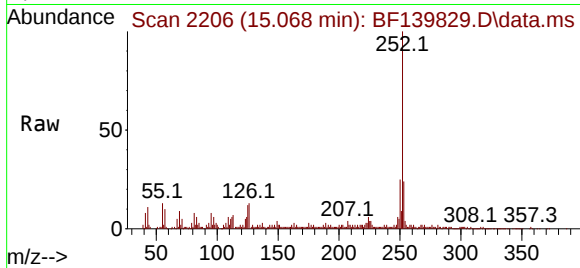
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	12.4	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#90

Benzo(a)pyrene

Concen: 18.639 ng

RT: 15.415 min Scan# 2265

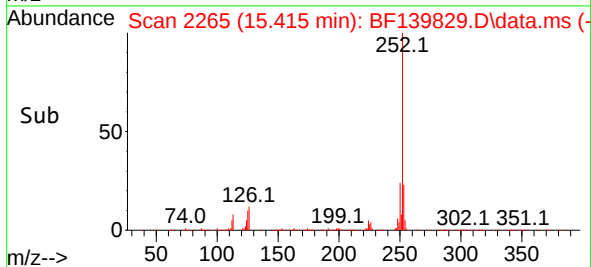
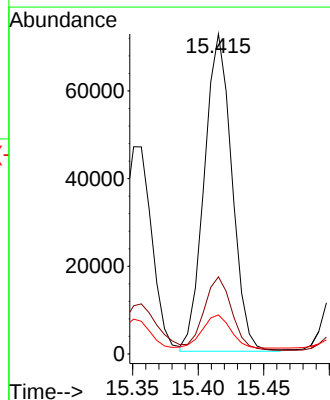
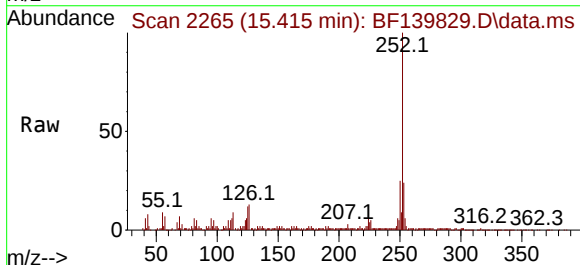
Delta R.T. -0.006 min

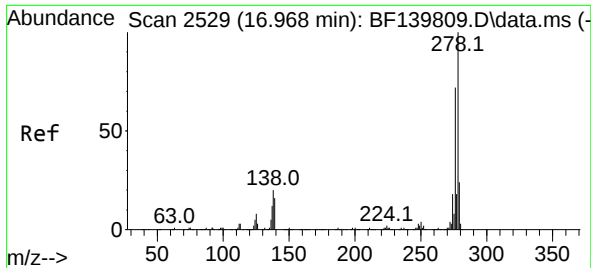
Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Tgt Ion:252 Resp: 106229

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	12.2	8.4	12.6





#91
Dibenzo(a,h)anthracene
Concen: 2.463 ng
RT: 16.951 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424

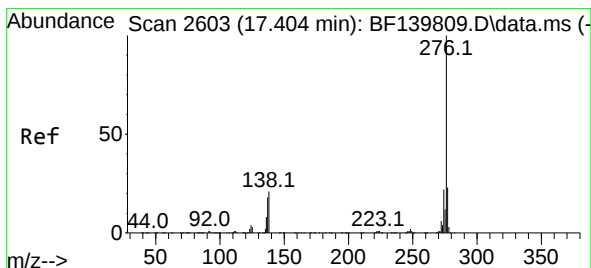
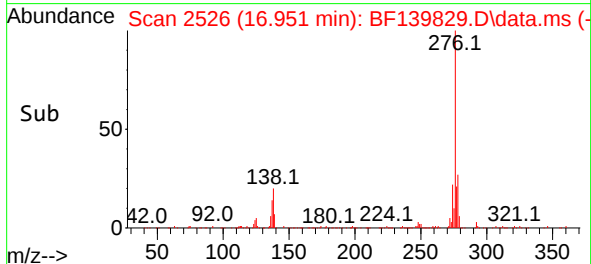
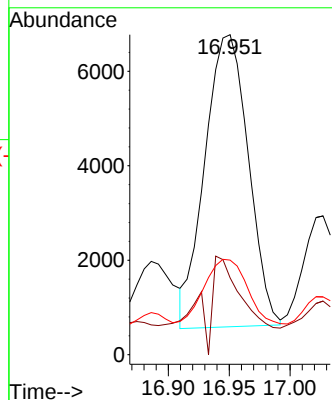
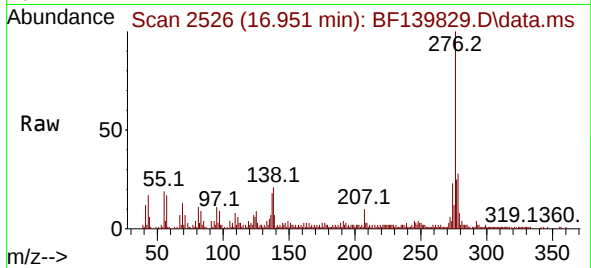
Tgt Ion:278 Resp: 1538
Ion Ratio Lower Upper
278 100
139 24.0 13.0 19.4
279 29.5 19.0 28.6

Manual Integrations

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Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#92
Benzo(g,h,i)perylene
Concen: 10.627 ng
RT: 17.386 min Scan# 2600
Delta R.T. -0.018 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Tgt Ion:276 Resp: 69627
Ion Ratio Lower Upper
276 100
277 24.6 18.2 27.4
138 21.7 17.0 25.4

