

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
 Data File : BF139727.D
 Acq On : 09 Oct 2024 17:29
 Operator : RC/JU
 Sample : P4321-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IB-6

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 18:09:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	82060	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	300501	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	153028	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	239587	20.000	ng	0.00
76) Chrysene-d12	14.027	240	168159	20.000	ng	0.00
86) Perylene-d12	15.504	264	169190	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	390360	82.451	ng	0.00
7) Phenol-d6	6.498	99	520234	81.710	ng	0.00
23) Nitrobenzene-d5	7.428	82	340896	57.436	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	101428	68.661	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	550275	55.204	ng	0.00
79) Terphenyl-d14	12.969	244	398337	38.868	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	111951	9.910	ng	98
75) Fluoranthene	12.604	202	197472	15.991	ng	99
78) Pyrene	12.833	202	189172	12.578	ng	99
81) Benzo(a)anthracene	14.022	228	110277	9.975	ng	96
83) Chrysene	14.057	228	87250	8.632	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	36529	3.668	ng	93
88) Benzo(b)fluoranthene	15.074	252	114148m	10.434	ng	
89) Benzo(k)fluoranthene	15.086	252	49529m	5.337	ng	
90) Benzo(a)pyrene	15.439	252	85729	9.939	ng	96
92) Benzo(g,h,i)perylene	17.421	276	32947	3.977	ng	93

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

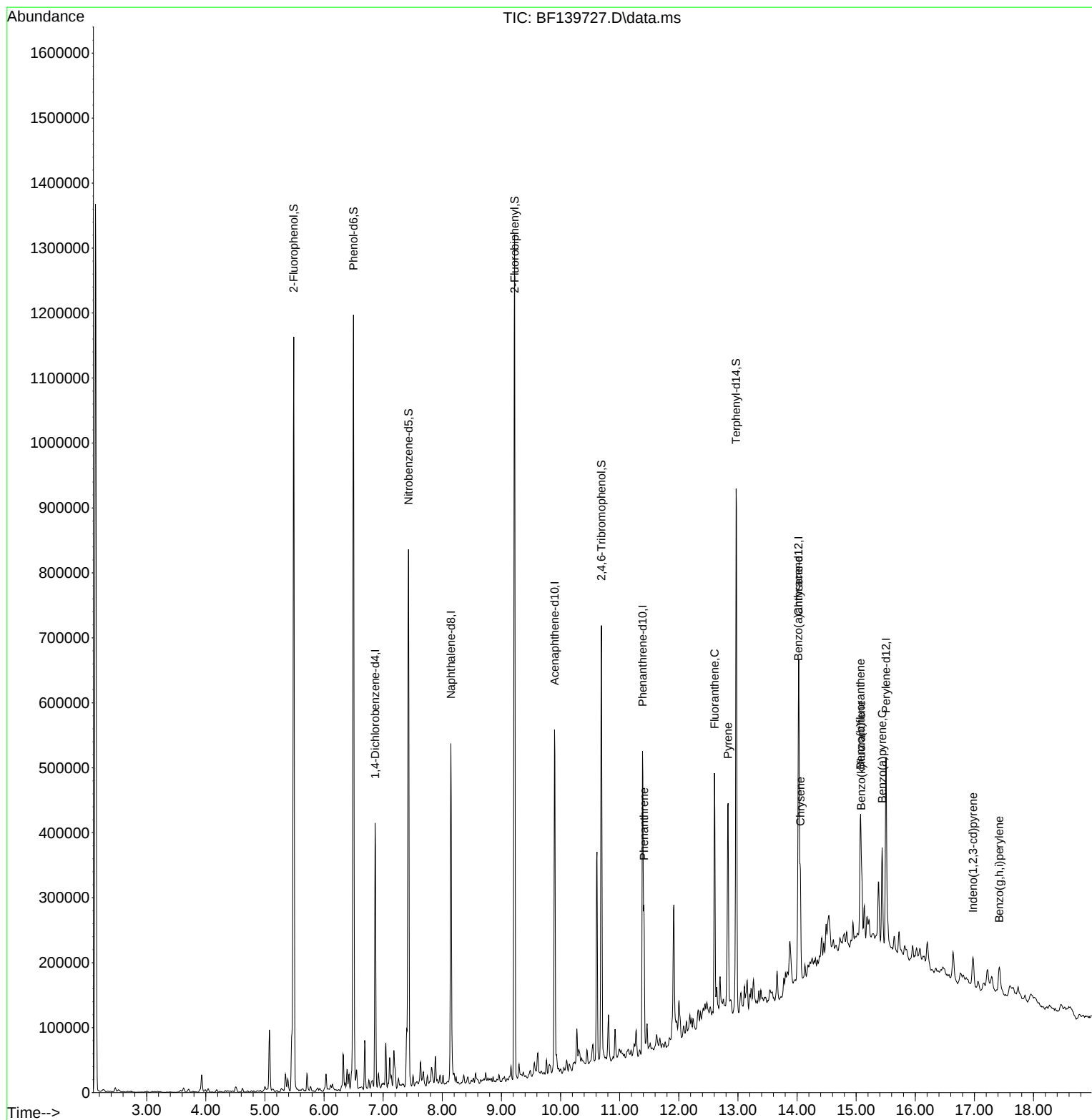
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
Data File : BF139727.D
Acq On : 09 Oct 2024 17:29
Operator : RC/JU
Sample : P4321-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

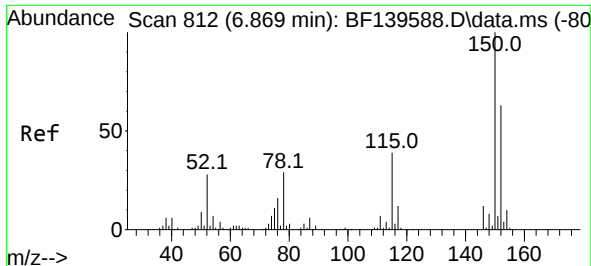
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Quant Time: Oct 09 18:09:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

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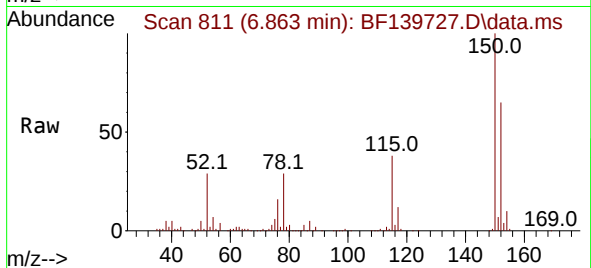
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

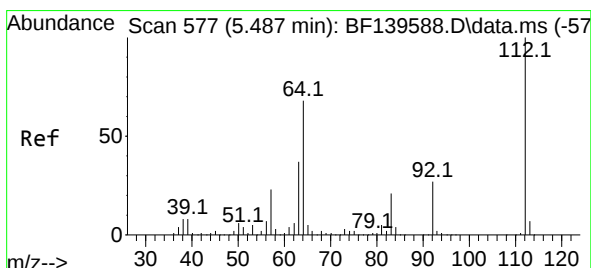
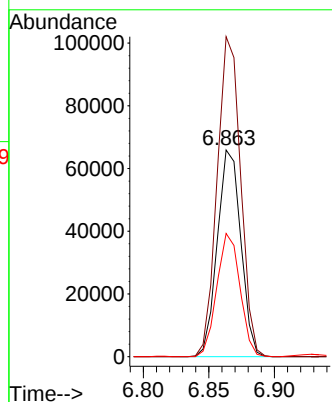
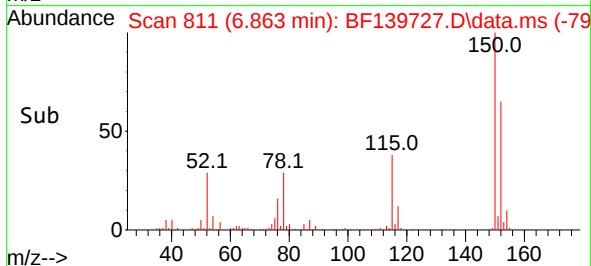
Instrument :
BNA_F
ClientSampleId :
IB-6



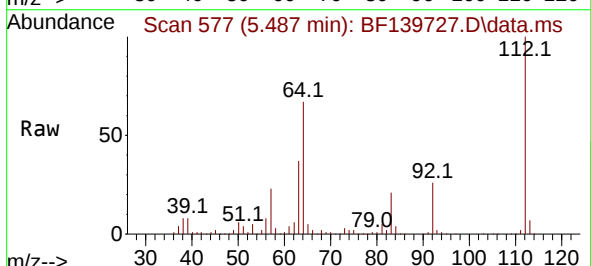
Tgt Ion:152 Resp: 82060
Ion Ratio Lower Upper
152 100
150 154.8 127.2 190.8
115 59.6 49.0 73.4

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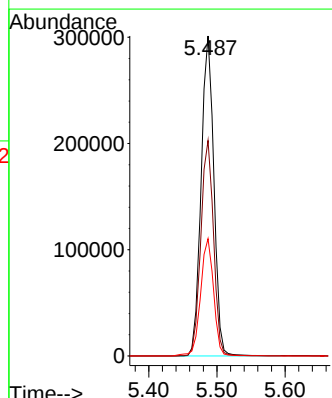
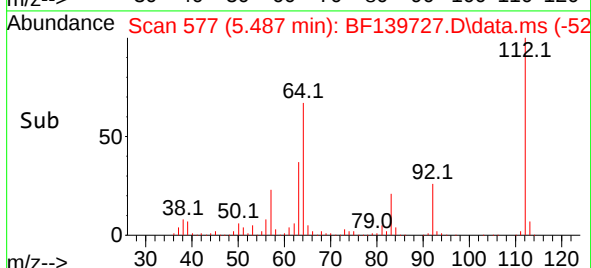
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024

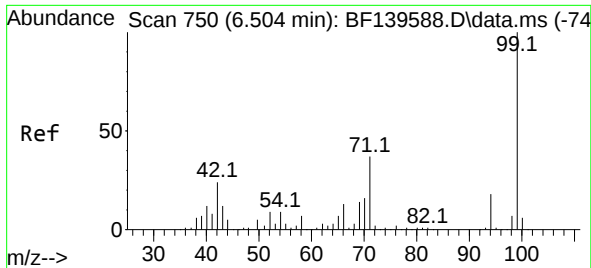


#5
2-Fluorophenol
Concen: 82.451 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29



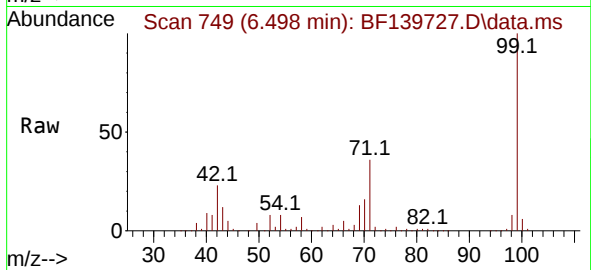
Tgt Ion:112 Resp: 390360
Ion Ratio Lower Upper
112 100
64 67.4 54.2 81.4
63 36.7 29.4 44.2





#7
Phenol-d6
Concen: 81.710 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

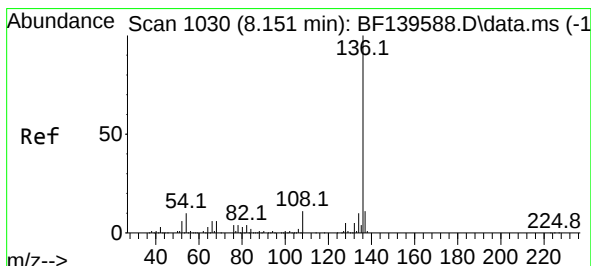
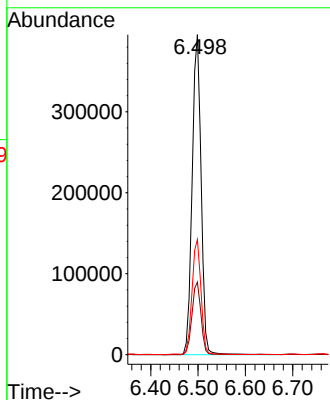
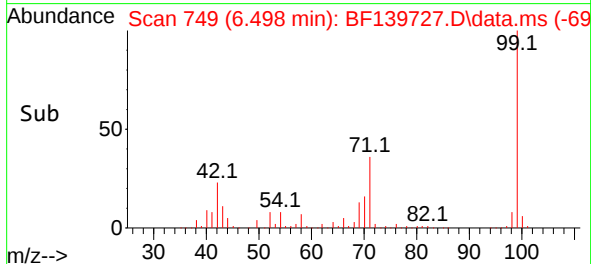
Instrument :
BNA_F
ClientSampleId :
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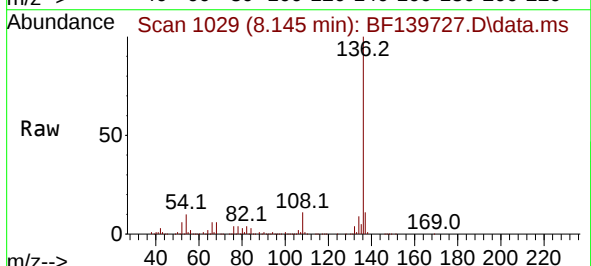
Tgt Ion: 99 Resp: 520234
Ion Ratio Lower Upper
99 100
42 22.7 19.1 28.7
71 36.0 29.7 44.5

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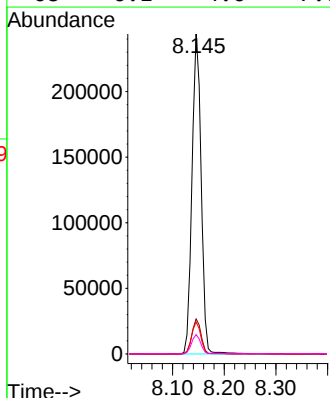
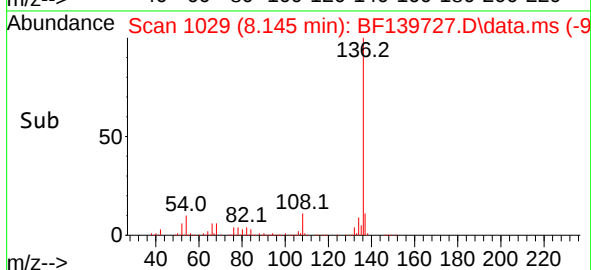
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024

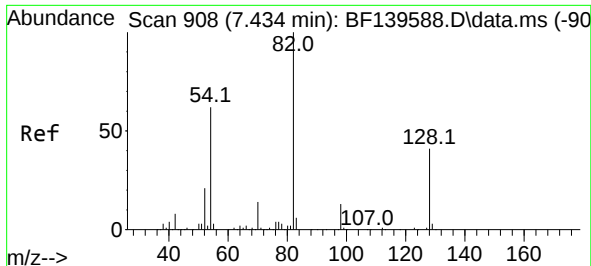


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29



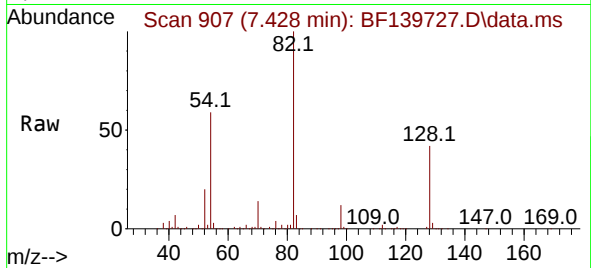
Tgt Ion:136 Resp: 300501
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.0 8.3 12.5
68 6.1 4.6 7.0





#23
Nitrobenzene-d5
Concen: 57.436 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

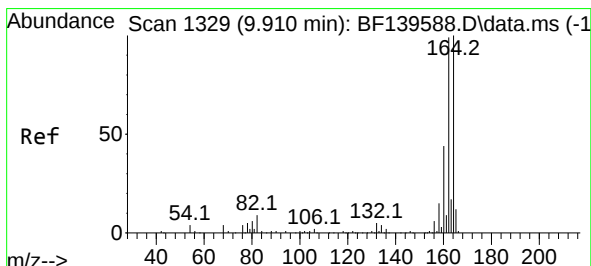
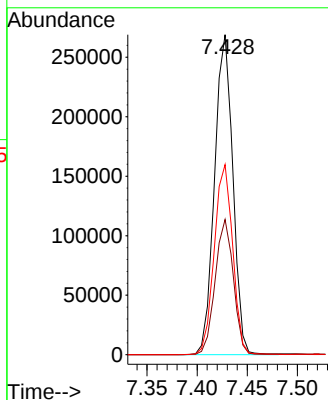
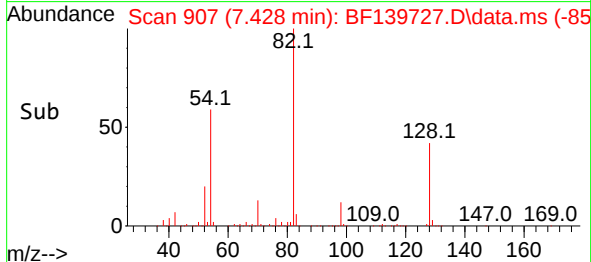
Instrument :
BNA_F
ClientSampleId :
IB-6



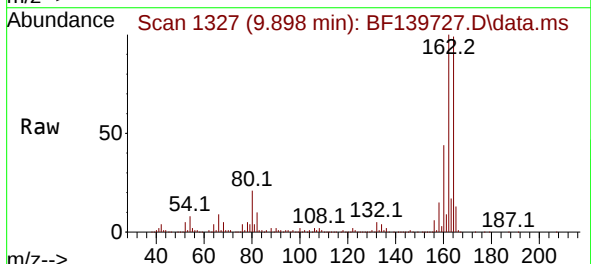
Tgt Ion: 82 Resp: 340890
Ion Ratio Lower Upper
82 100
128 42.3 32.4 48.6
54 59.4 49.1 73.7

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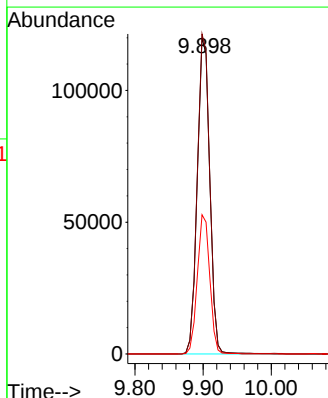
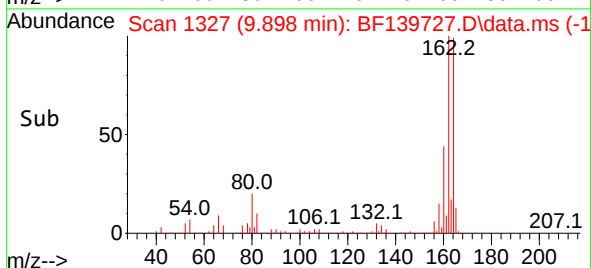
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024

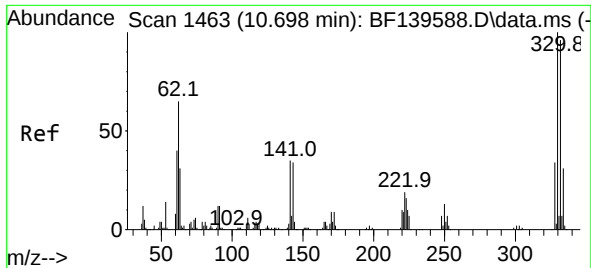


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29



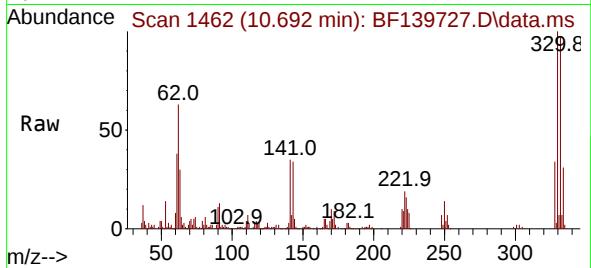
Tgt Ion:164 Resp: 153028
Ion Ratio Lower Upper
164 100
162 101.3 79.4 119.0
160 44.1 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 68.661 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

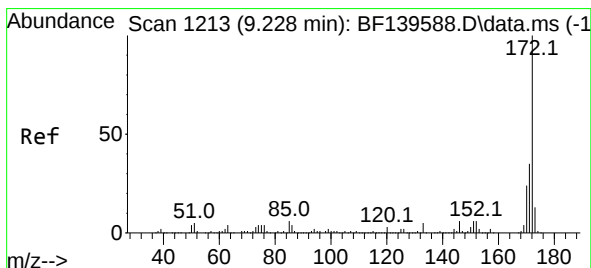
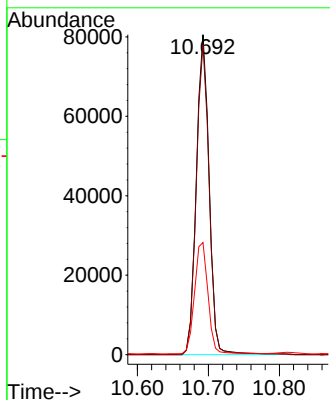
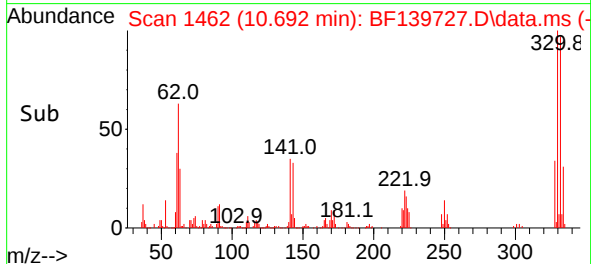
Instrument :
BNA_F
ClientSampleId :
IB-6



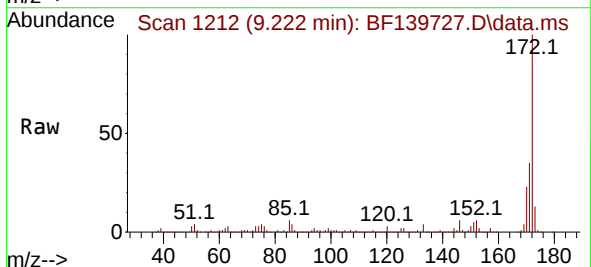
Tgt Ion: 330 Resp: 101428
Ion Ratio Lower Upper
330 100
332 96.9 76.5 114.7
141 36.8 29.3 43.9

Manual Integrations
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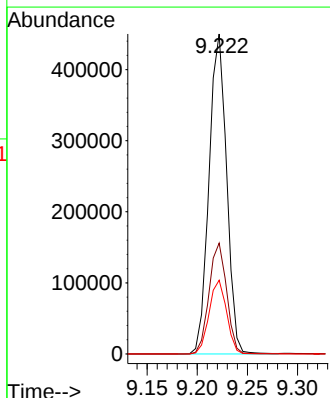
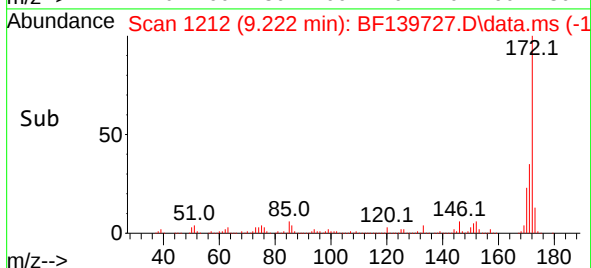
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024

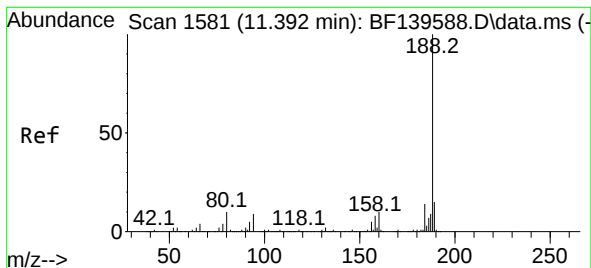


#45
2-Fluorobiphenyl
Concen: 55.204 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29



Tgt Ion: 172 Resp: 550275
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.4
170 23.1 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Instrument :

BNA_F

ClientSampleId :

IB-6

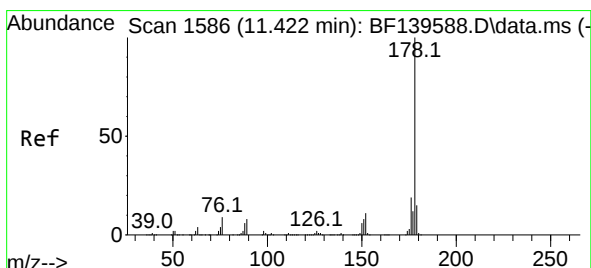
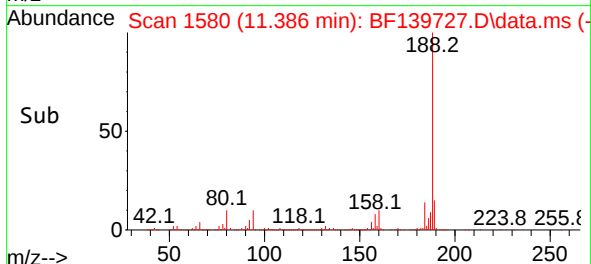
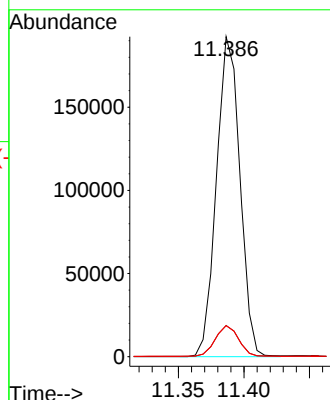
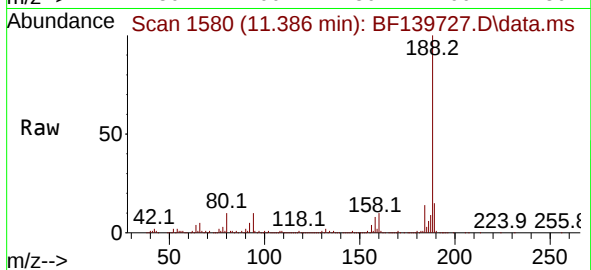
Tgt Ion:188	Resp: 23958
Ion Ratio	Lower Upper
188 100	
94 9.8	7.4 11.2
80 9.7	8.2 12.2

Manual Integrations

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Supervised By :mohammad ahmed 10/10/2024



#71

Phenanthrene

Concen: 9.910 ng

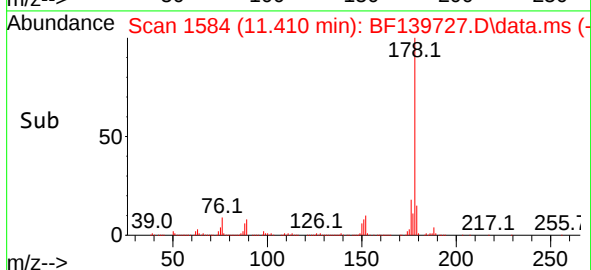
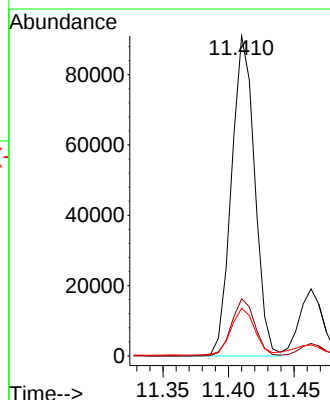
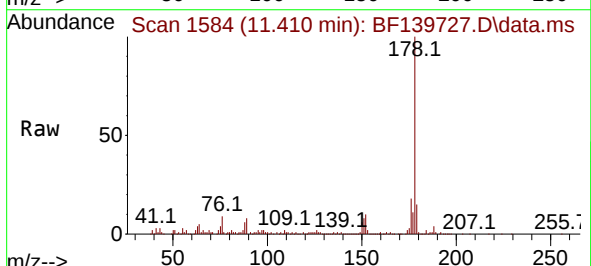
RT: 11.410 min Scan# 1584

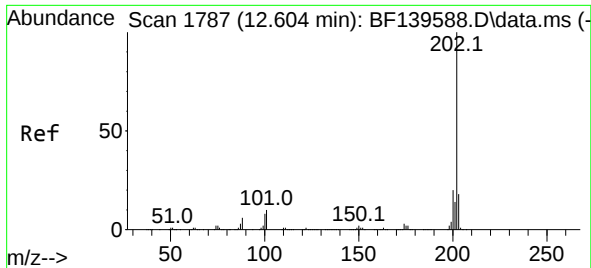
Delta R.T. -0.012 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

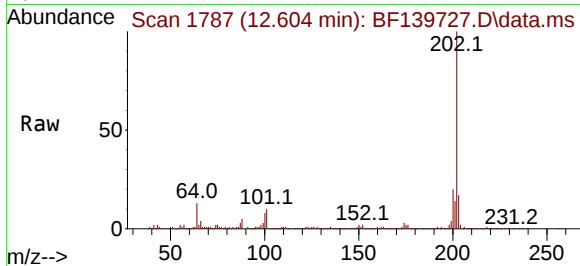
Tgt Ion:178	Resp: 111951
Ion Ratio	Lower Upper
178 100	
176 17.8	15.5 23.3
179 14.9	12.3 18.5





#75
Fluoranthene
Concen: 15.991 ng
RT: 12.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

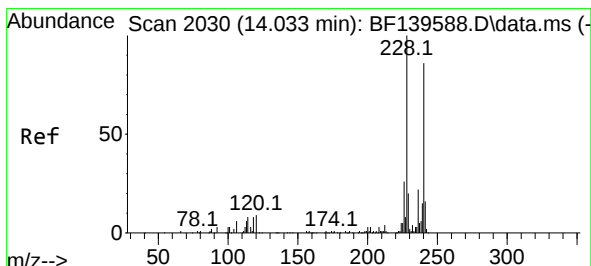
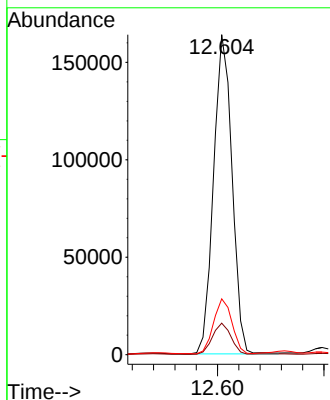
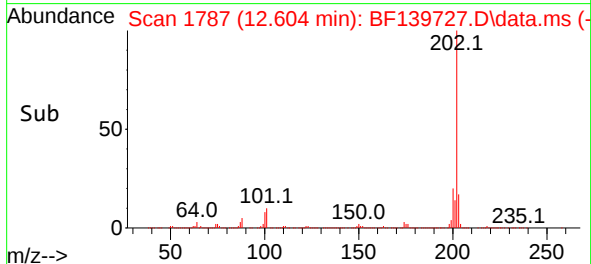
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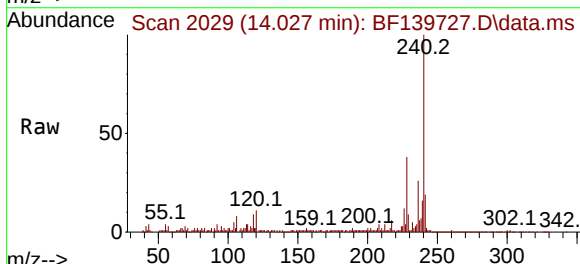
Tgt Ion:202 Resp: 197472
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.2
203 17.4 0.0 37.7

Manual Integrations
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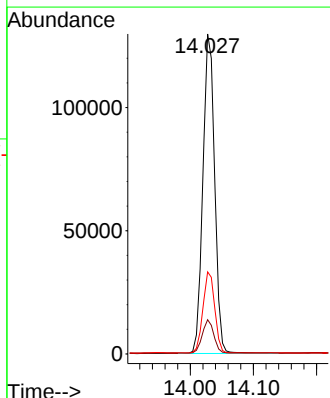
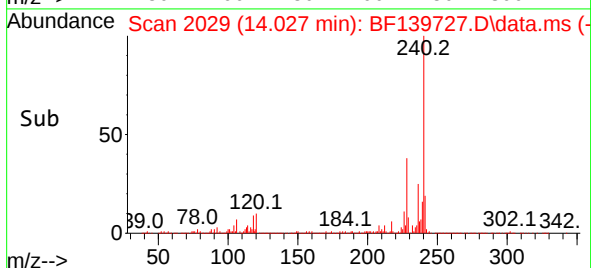
Reviewed By :Yogesh Patel 10/10/2024
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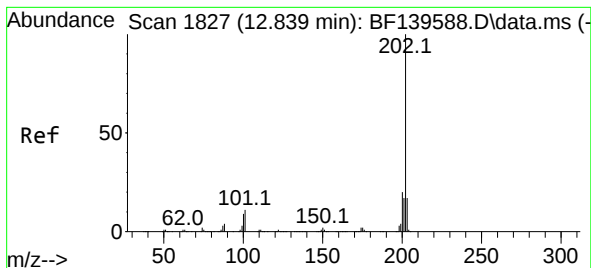


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29



Tgt Ion:240 Resp: 168159
Ion Ratio Lower Upper
240 100
120 10.7 8.4 12.6
236 25.6 20.3 30.5





#78

Pyrene

Concen: 12.578 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Instrument :

BNA_F

ClientSampleId :

IB-6

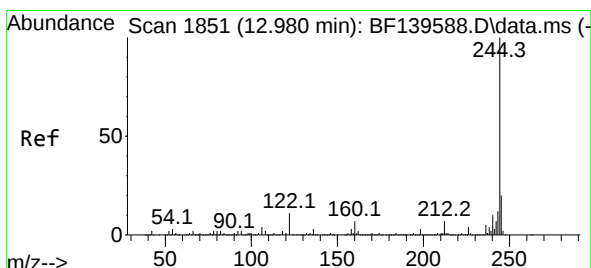
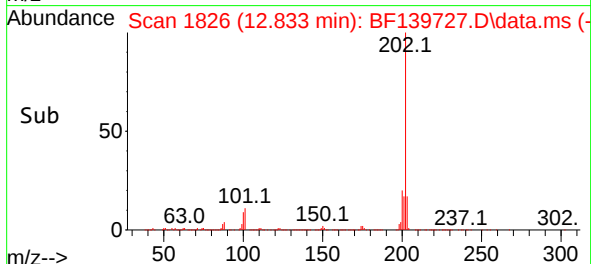
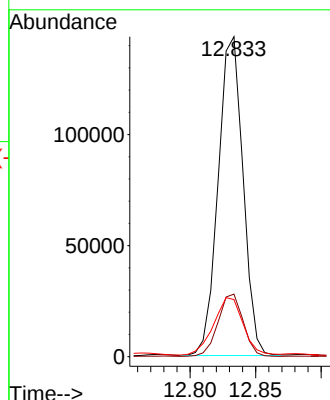
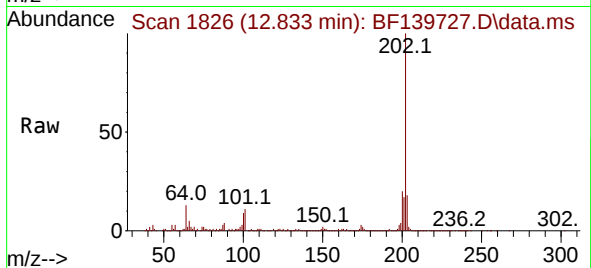
Tgt Ion:202 Resp: 189172
 Ion Ratio Lower Upper
 202 100
 200 19.6 15.8 23.6
 203 17.9 13.8 20.8

Manual Integrations

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#79

Terphenyl-d14

Concen: 38.868 ng

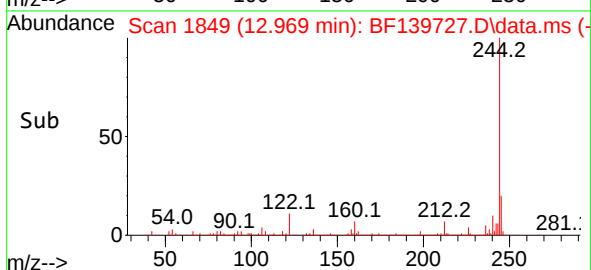
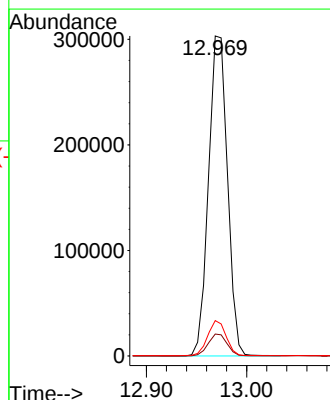
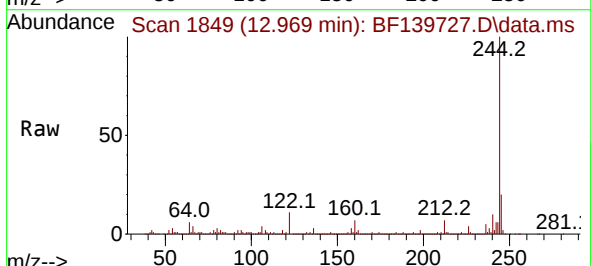
RT: 12.969 min Scan# 1849

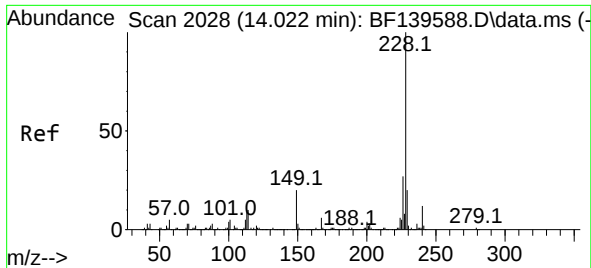
Delta R.T. -0.011 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

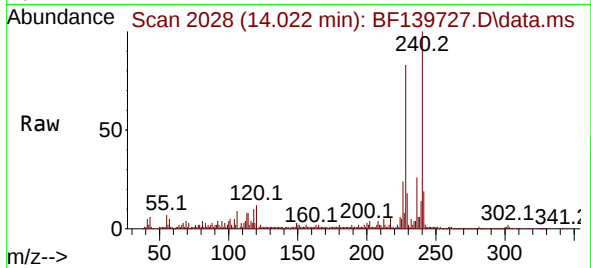
Tgt Ion:244 Resp: 398337
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 11.1 8.6 12.8





#81
Benzo(a)anthracene
Concen: 9.975 ng
RT: 14.022 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29

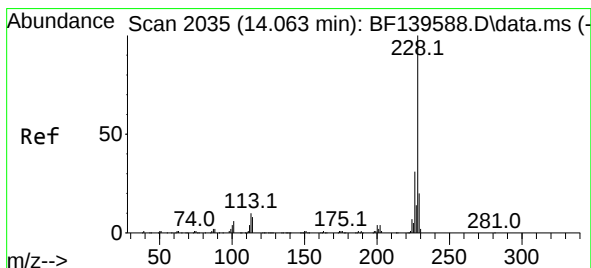
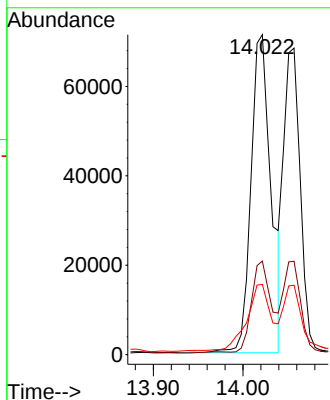
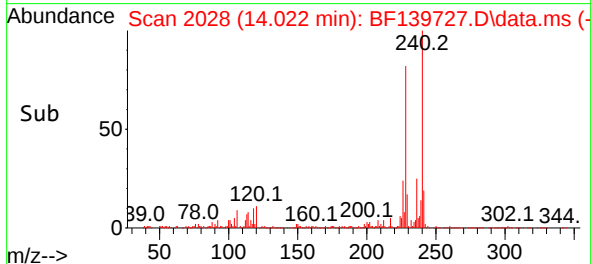
Instrument :
BNA_F
ClientSampleId :
IB-6



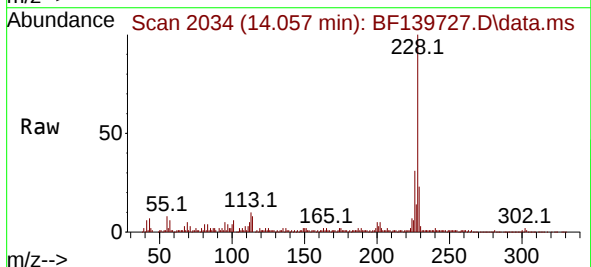
Tgt Ion:228 Resp: 11027
Ion Ratio Lower Upper
228 100
226 29.3 21.8 32.8
229 22.0 15.8 23.8

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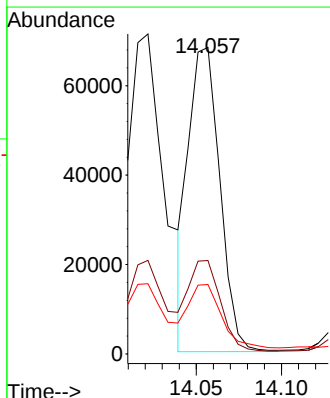
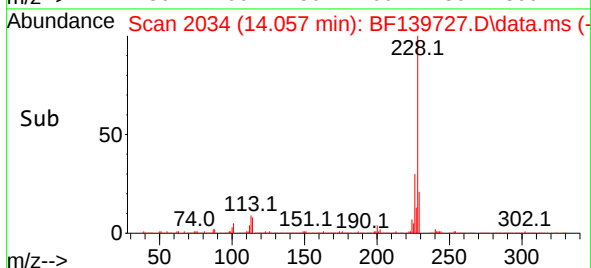
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024

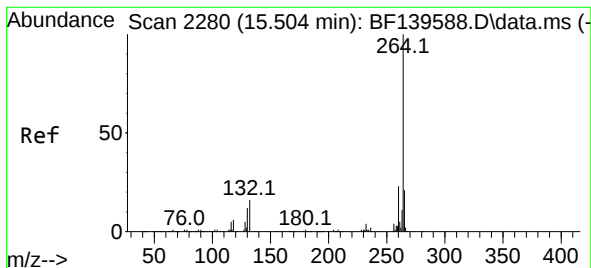


#83
Chrysene
Concen: 8.632 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF139727.D
Acq: 09 Oct 2024 17:29



Tgt Ion:228 Resp: 87250
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.7 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Instrument :

BNA_F

ClientSampleId :

IB-6

Tgt Ion:264 Resp: 169190

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

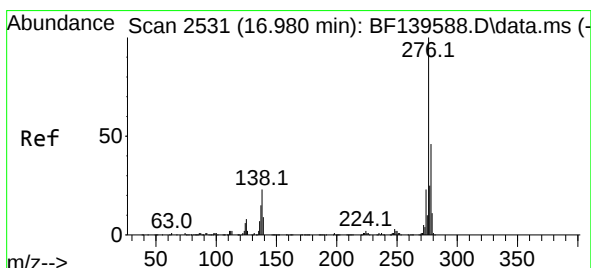
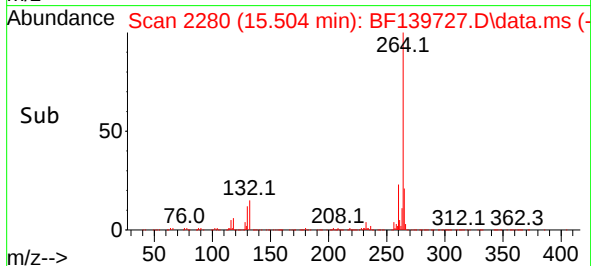
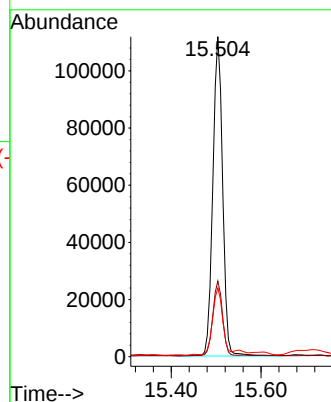
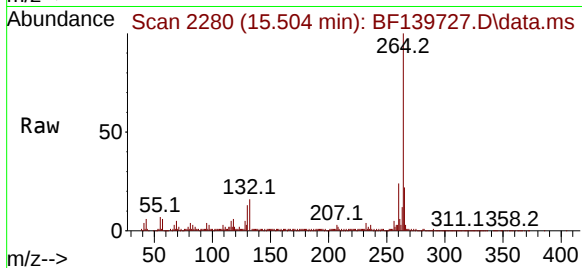
265 21.5 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/10/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.668 ng

RT: 16.974 min Scan# 2530

Delta R.T. -0.006 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

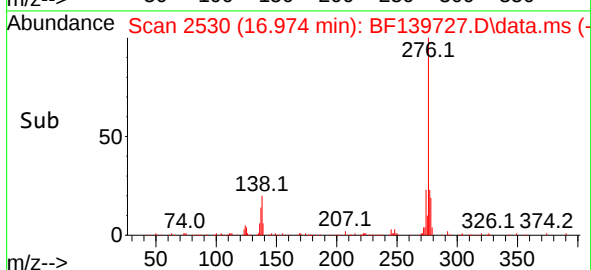
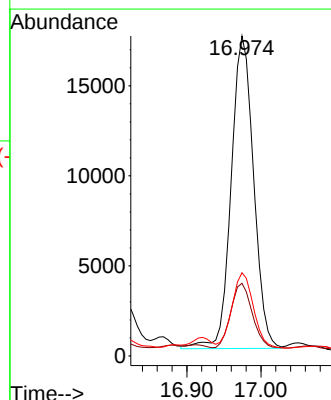
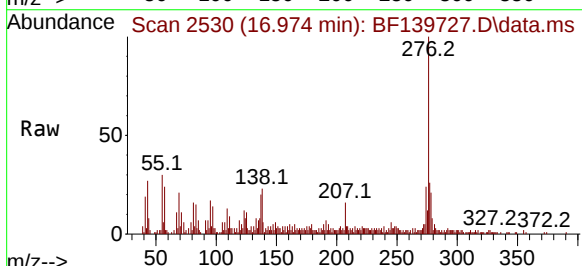
Tgt Ion:276 Resp: 36529

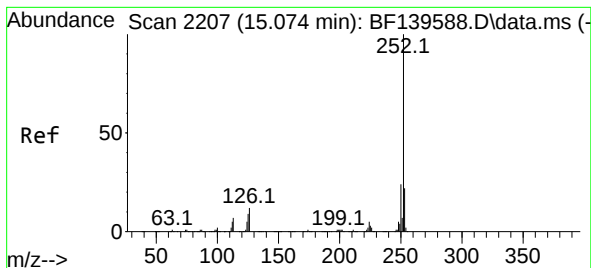
Ion Ratio Lower Upper

276 100

138 19.6 19.4 29.0

277 22.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 10.434 ng m

RT: 15.074 min Scan# 2207

Delta R.T. 0.000 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Instrument :

BNA_F

ClientSampleId :

IB-6

Tgt Ion:252 Resp: 11414

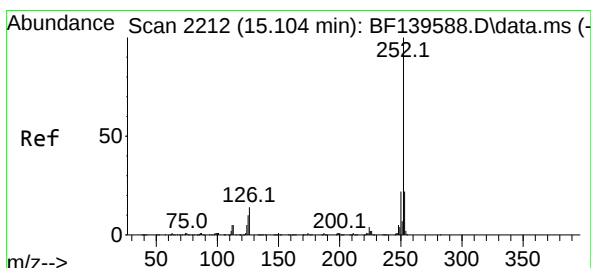
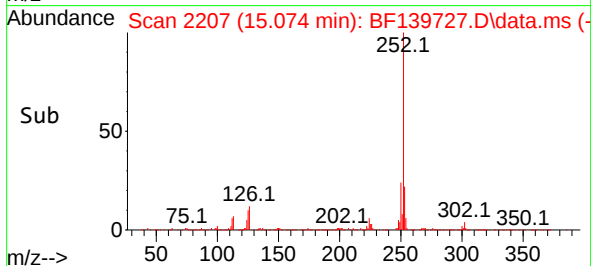
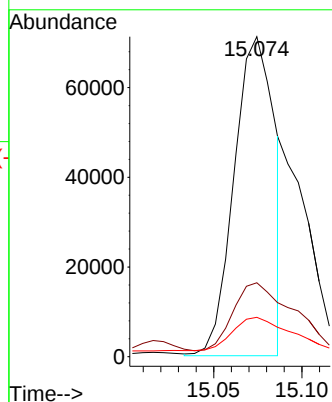
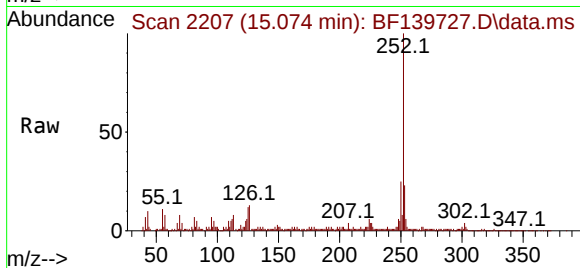
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	12.3	7.4	11.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/10/2024



#89

Benzo(k)fluoranthene

Concen: 5.337 ng m

RT: 15.086 min Scan# 2209

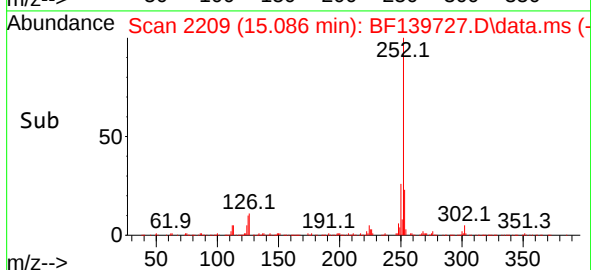
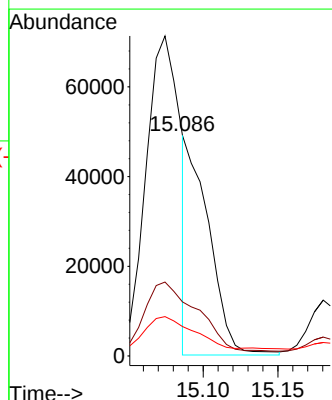
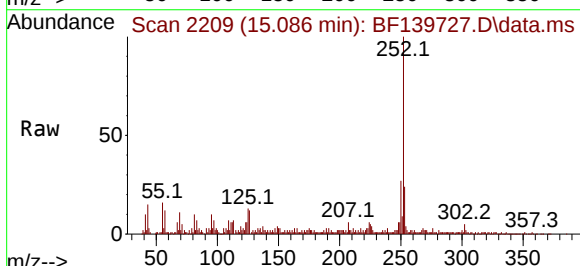
Delta R.T. -0.018 min

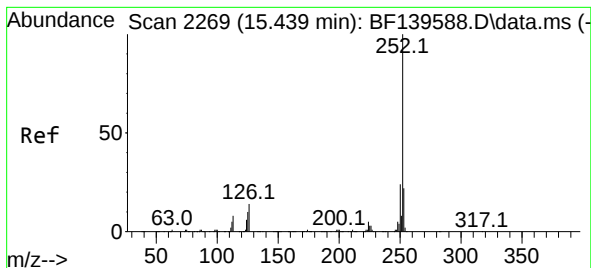
Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Tgt Ion:252 Resp: 49529

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	13.3	7.6	11.4





#90

Benzo(a)pyrene

Concen: 9.939 ng

RT: 15.439 min Scan# 2269

Delta R.T. 0.000 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Instrument :

BNA_F

ClientSampleId :

IB-6

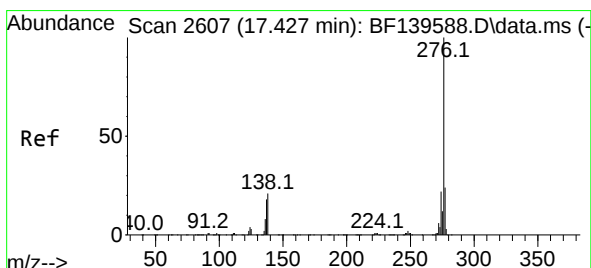
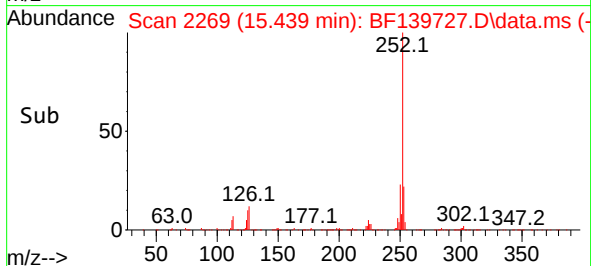
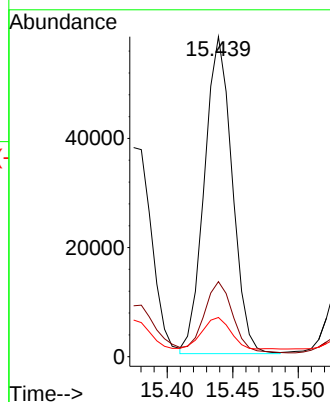
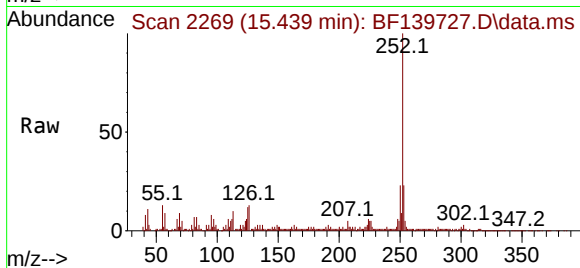
Tgt Ion:	252	Resp:	85729
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.3	25.9
125	12.3	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/10/2024



#92

Benzo(g,h,i)perylene

Concen: 3.977 ng

RT: 17.421 min Scan# 2606

Delta R.T. -0.006 min

Lab File: BF139727.D

Acq: 09 Oct 2024 17:29

Tgt Ion:	276	Resp:	32947
Ion Ratio	Lower	Upper	
276	100		
277	26.8	19.0	28.6
138	25.1	17.0	25.6

