

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100724\
 Data File : BF139695.D
 Acq On : 07 Oct 2024 19:25
 Operator : RC/JU
 Sample : P4270-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IB-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/09/2024
 Supervised By :mohammad ahmed 10/09/2024

Quant Time: Oct 08 01:13:27 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	86279	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	330914	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	182140	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	330513	20.000	ng	0.00
76) Chrysene-d12	14.027	240	164843	20.000	ng	0.00
86) Perylene-d12	15.498	264	187774	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	463588	93.129	ng	0.00
7) Phenol-d6	6.498	99	630722	94.219	ng	0.00
23) Nitrobenzene-d5	7.428	82	407363	62.327	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	151612	86.228	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	694514	58.538	ng	0.00
79) Terphenyl-d14	12.974	244	570623	56.799	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.933	154	27868	2.628	ng	99
58) Fluorene	10.445	166	33254	2.812	ng	98
71) Phenanthrene	11.410	178	405730	26.035	ng	99
72) Anthracene	11.463	178	105836	6.865	ng	98
73) Carbazole	11.622	167	36897	2.492	ng	99
75) Fluoranthene	12.604	202	419883	24.647	ng	99
78) Pyrene	12.827	202	349560	23.710	ng	97
81) Benzo(a)anthracene	14.015	228	145408	13.417	ng	98
83) Chrysene	14.051	228	127030	12.820	ng	97
87) Indeno(1,2,3-cd)pyrene	16.962	276	54966	4.973	ng	94
88) Benzo(b)fluoranthene	15.068	252	142783m	11.760	ng	
89) Benzo(k)fluoranthene	15.086	252	45692m	4.437	ng	
90) Benzo(a)pyrene	15.433	252	110228	11.514	ng	97
92) Benzo(g,h,i)perylene	17.409	276	45834	4.986	ng	97

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

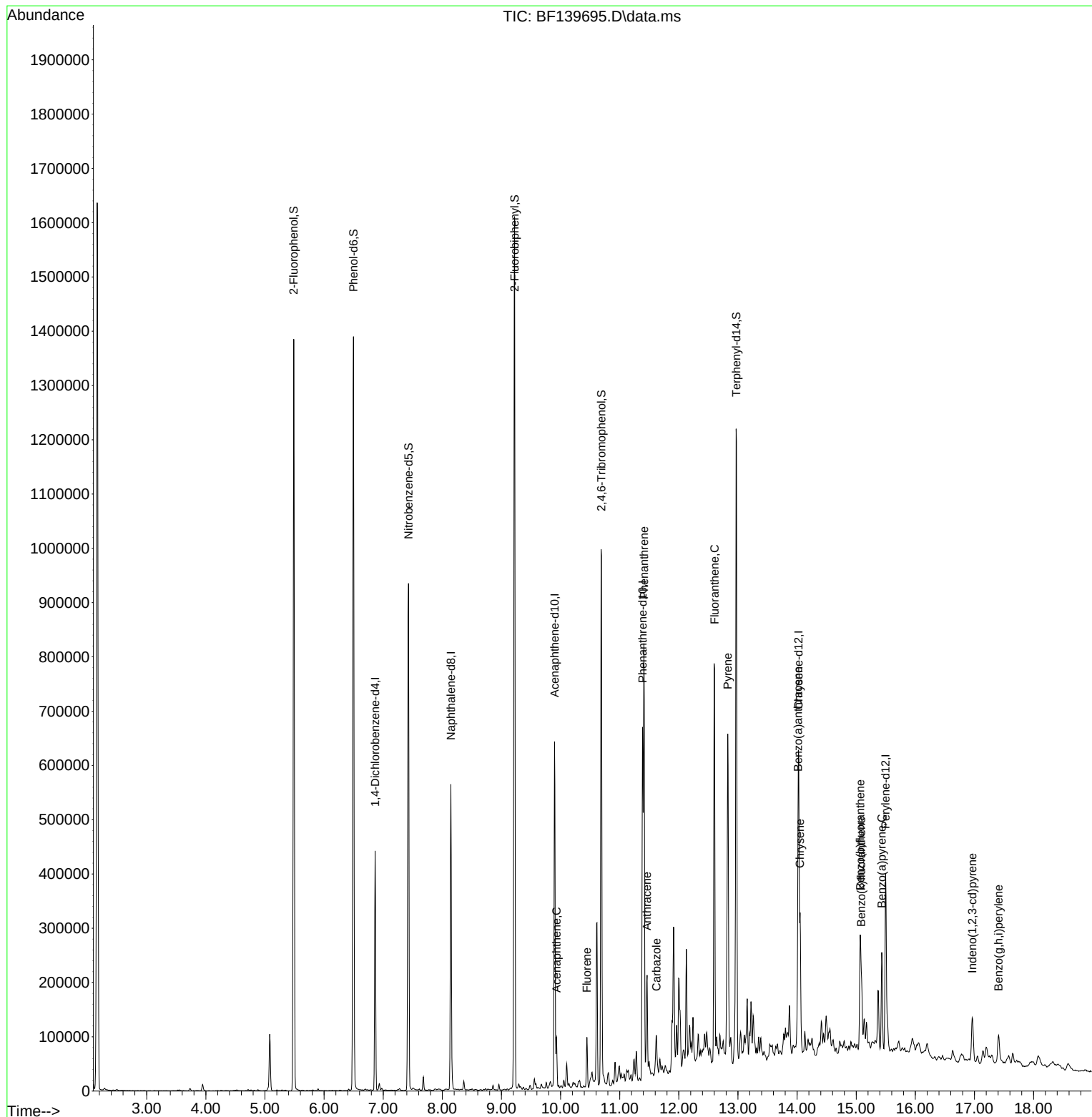
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100724\
Data File : BF139695.D
Acq On : 07 Oct 2024 19:25
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ALS Vial : 20 Sample Multiplier: 1

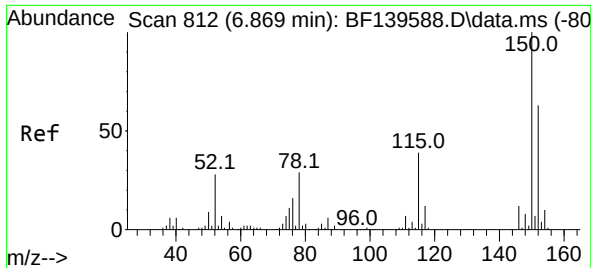
Instrument :
BNA_F
ClientSampleId :
IB-2

Quant Time: Oct 08 01:13:27 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
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APPROVED

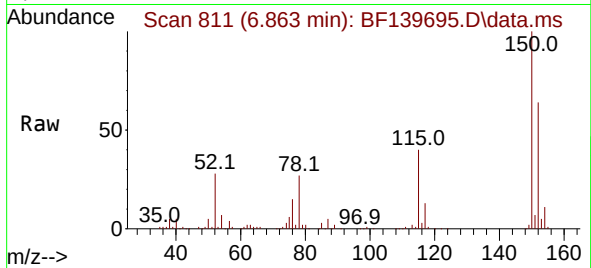
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

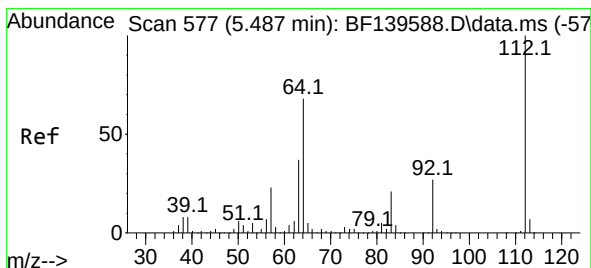
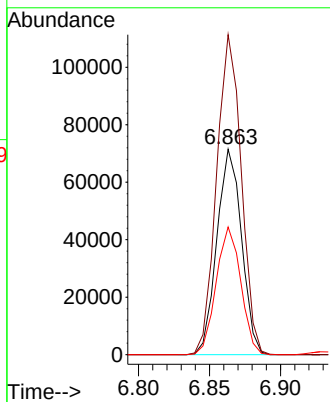
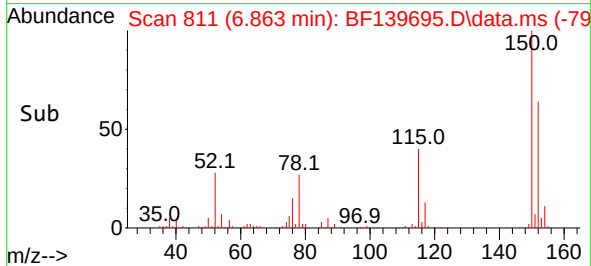
Instrument :
BNA_F
ClientSampleId :
IB-2



Tgt Ion:152 Resp: 86279
Ion Ratio Lower Upper
152 100
150 155.8 127.2 190.8
115 62.2 49.0 73.4

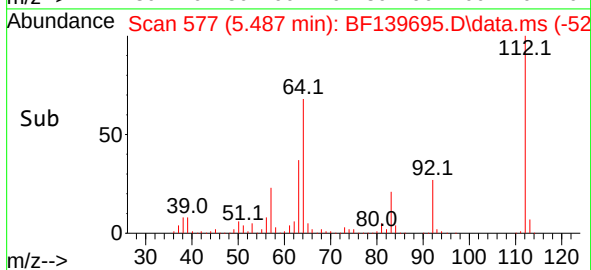
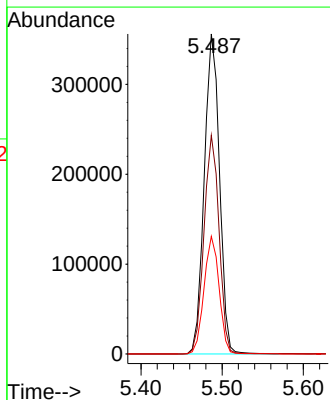
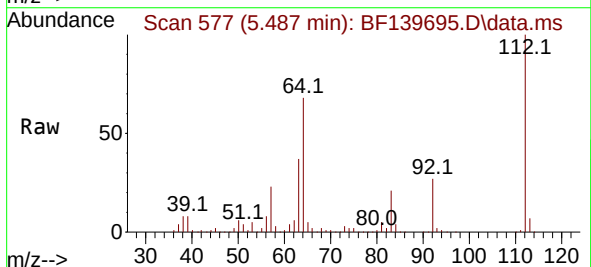
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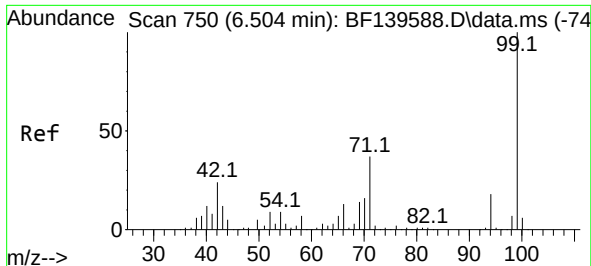
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024



#5
2-Fluorophenol
Concen: 93.129 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

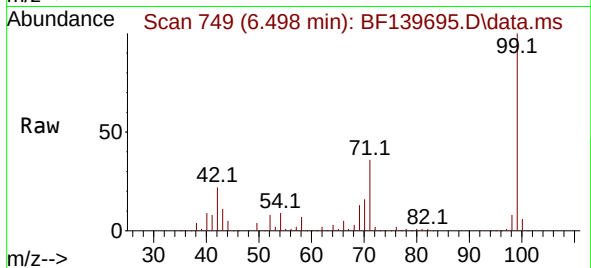
Tgt Ion:112 Resp: 463588
Ion Ratio Lower Upper
112 100
64 68.3 54.2 81.4
63 36.8 29.4 44.2





#7
Phenol-d6
Concen: 94.219 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

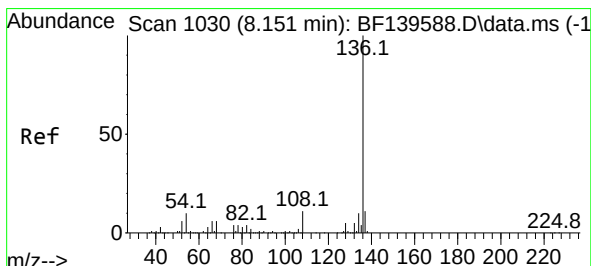
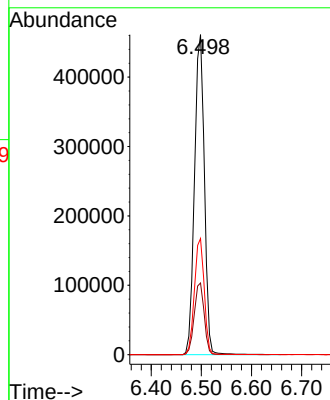
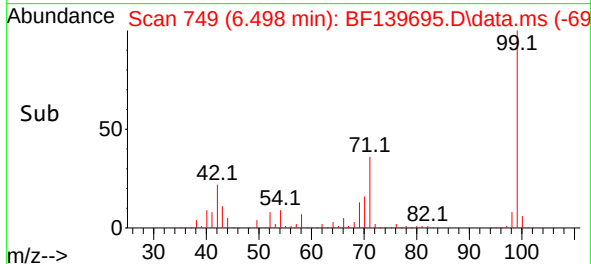
Instrument :
BNA_F
ClientSampleId :
IB-2



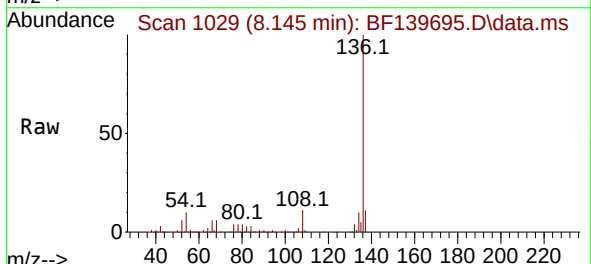
Tgt Ion: 99 Resp: 63072
Ion Ratio Lower Upper
99 100
42 22.4 19.1 28.7
71 36.3 29.7 44.5

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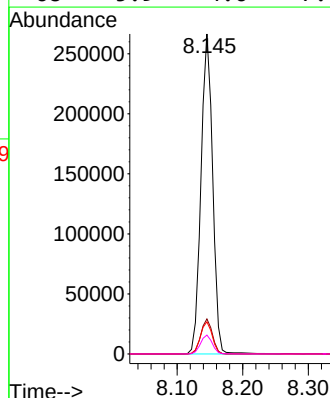
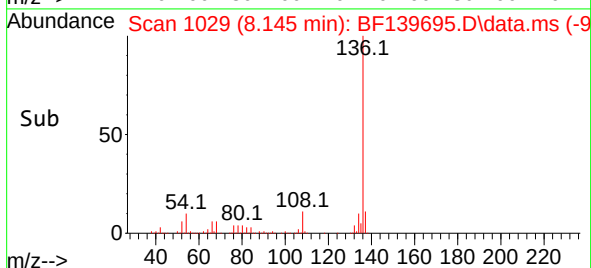
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024

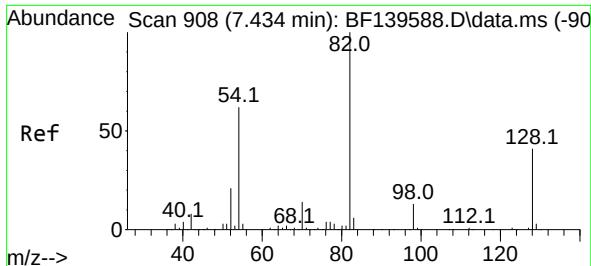


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25



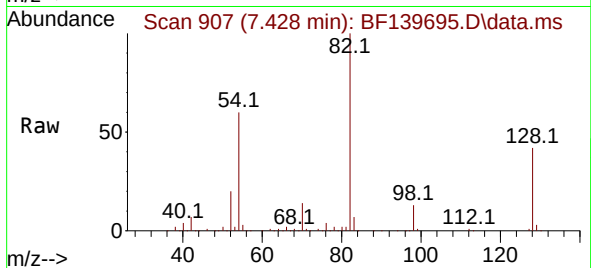
Tgt Ion:136 Resp: 330914
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.1 8.3 12.5
68 5.9 4.6 7.0





#23
Nitrobenzene-d5
Concen: 62.327 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

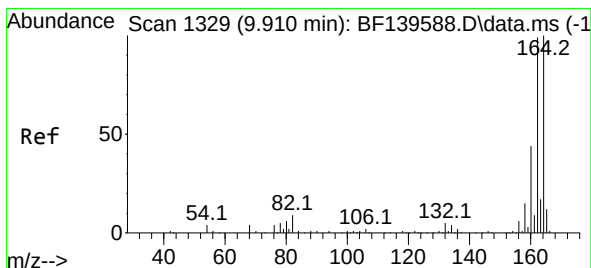
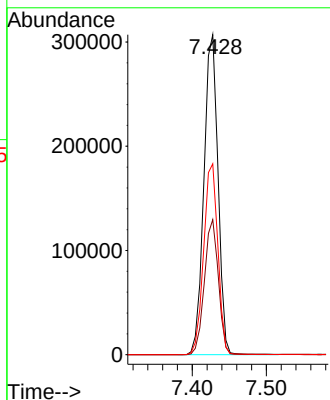
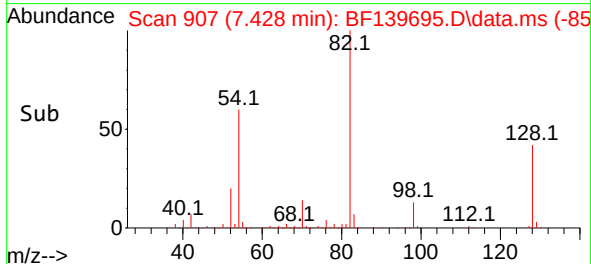
Instrument :
BNA_F
ClientSampleId :
IB-2



Tgt Ion: 82 Resp: 40736
Ion Ratio Lower Upper
82 100
128 42.2 32.4 48.6
54 59.7 49.1 73.7

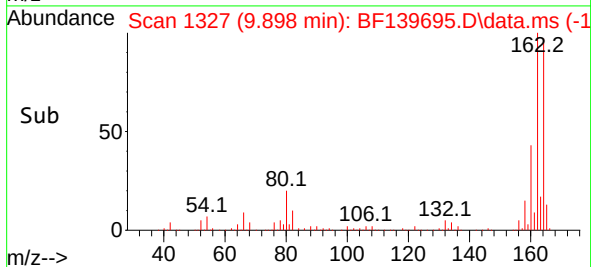
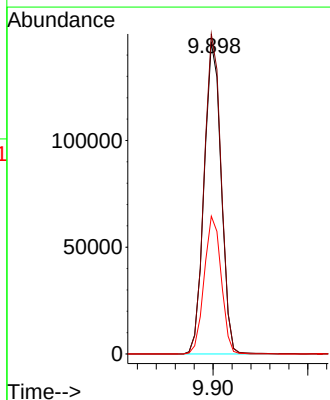
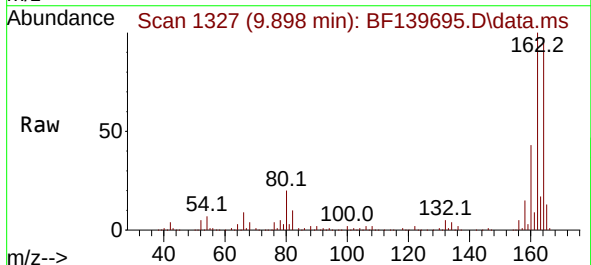
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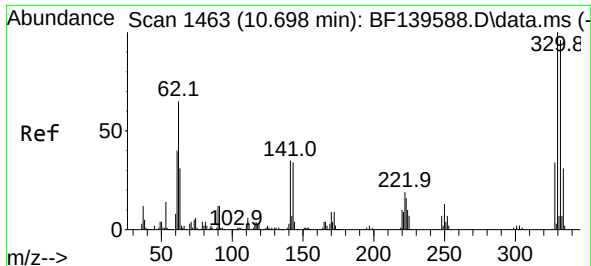
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Tgt Ion:164 Resp: 182140
Ion Ratio Lower Upper
164 100
162 102.8 79.4 119.0
160 44.2 35.1 52.7





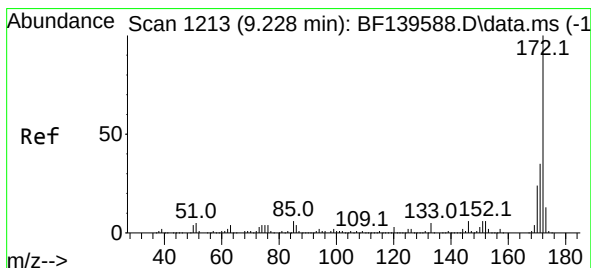
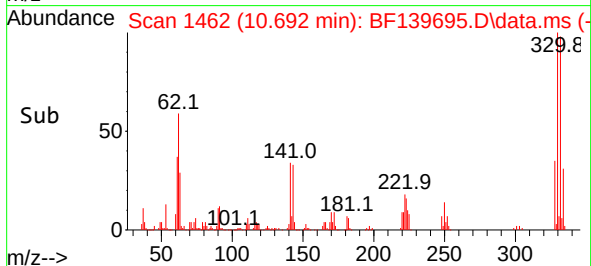
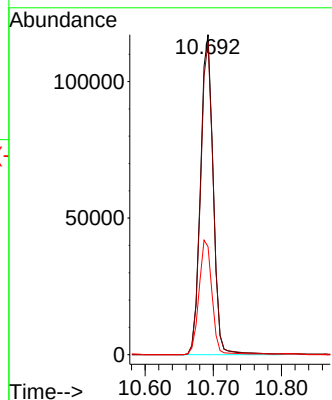
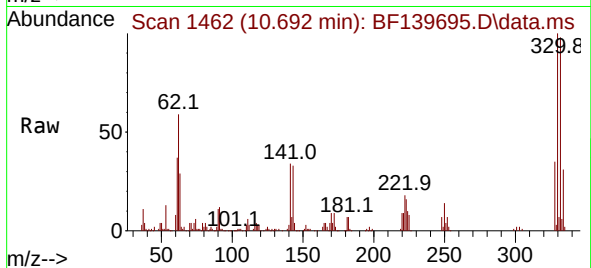
#42
2,4,6-Tribromophenol
Concen: 86.228 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Instrument :
BNA_F
ClientSampleId :
IB-2

Tgt Ion: 330 Resp: 15161
Ion Ratio Lower Upper
330 100
332 98.4 76.5 114.7
141 36.9 29.3 43.9

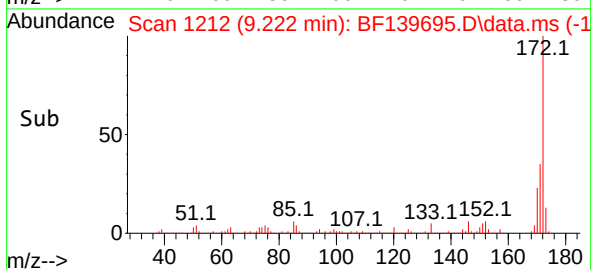
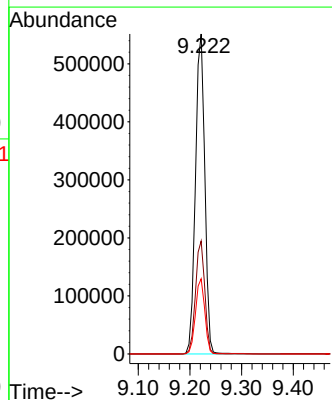
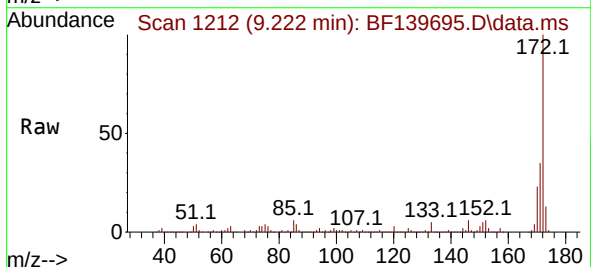
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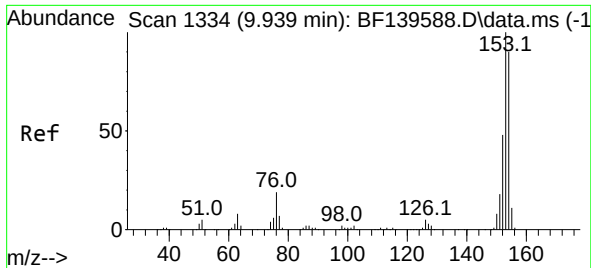
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024



#45
2-Fluorobiphenyl
Concen: 58.538 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

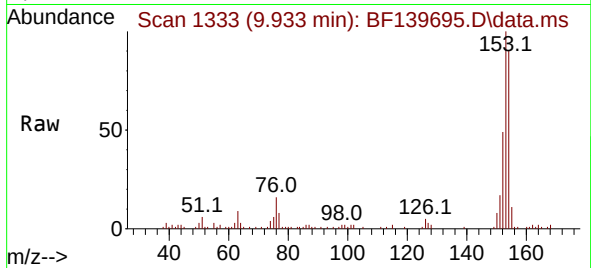
Tgt Ion: 172 Resp: 694514
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.5 18.8 28.2





#52
Acenaphthene
Concen: 2.628 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

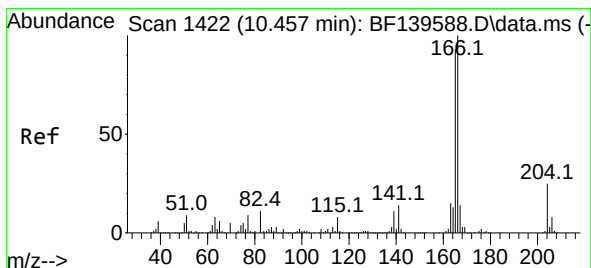
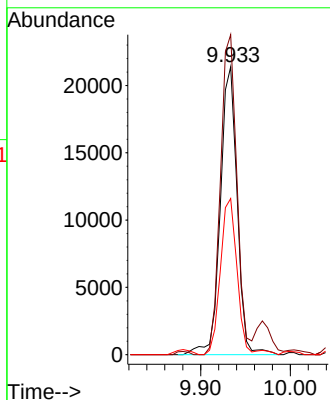
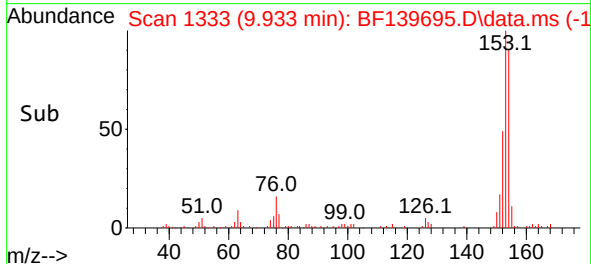
Instrument :
BNA_F
ClientSampleId :
IB-2



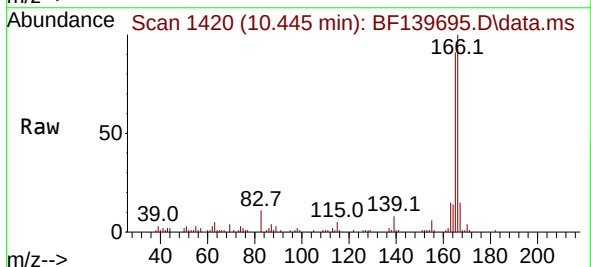
Tgt Ion:154 Resp: 2786
Ion Ratio Lower Upper
154 100
153 111.1 88.8 133.2
152 54.2 42.5 63.7

Manual Integrations
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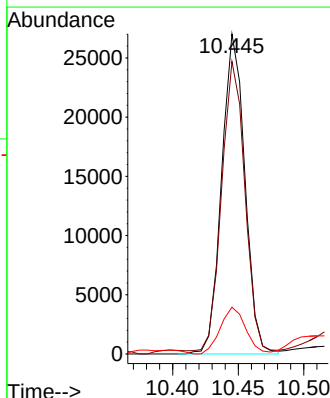
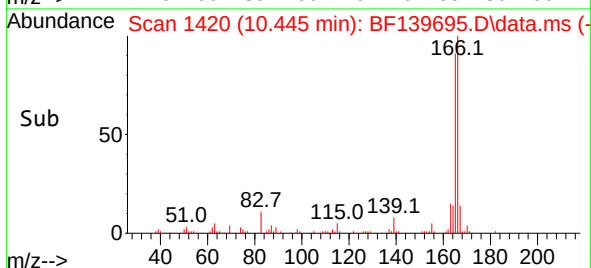
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024

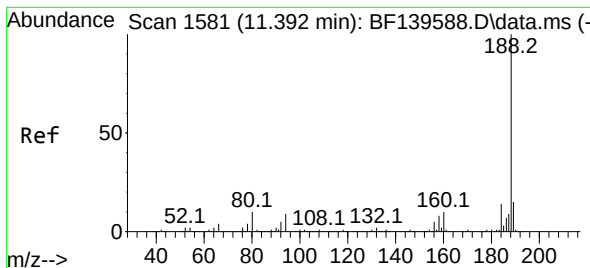


#58
Fluorene
Concen: 2.812 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25



Tgt Ion:166 Resp: 33254
Ion Ratio Lower Upper
166 100
165 91.4 74.4 111.6
167 14.6 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

IB-2

Tgt Ion:188 Resp: 33051

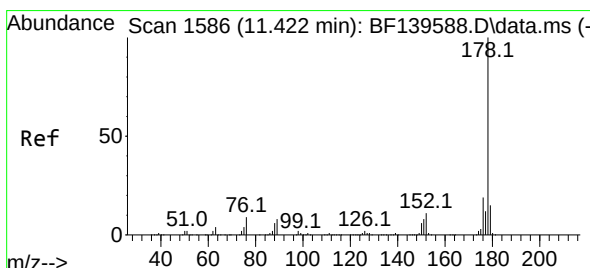
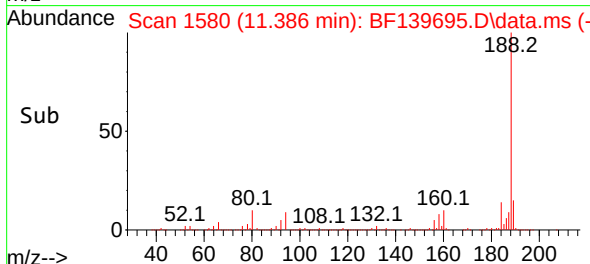
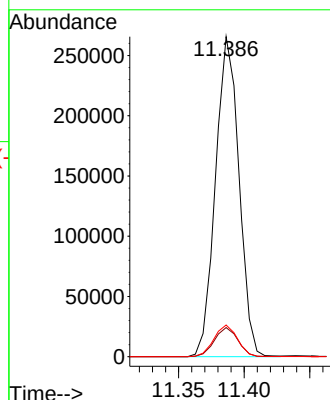
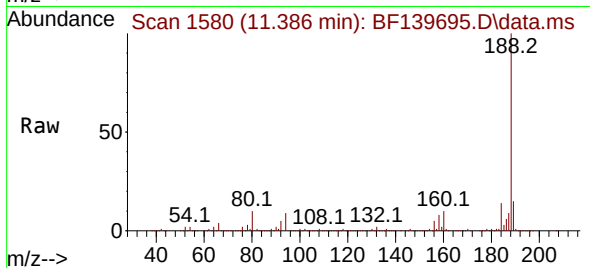
Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.4	11.2
80	9.9	8.2	12.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/09/2024

Supervised By :mohammad ahmed 10/09/2024



#71

Phenanthrene

Concen: 26.035 ng

RT: 11.410 min Scan# 1584

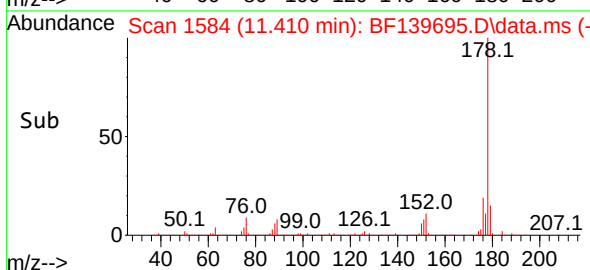
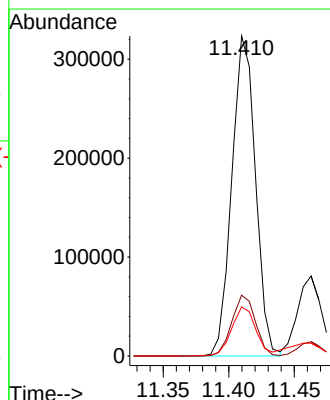
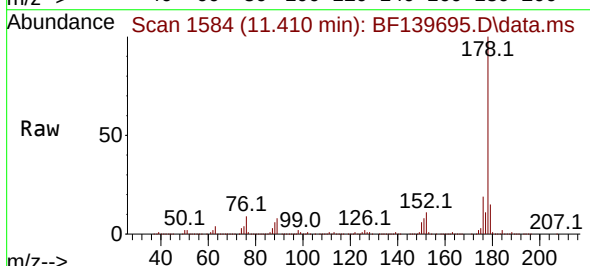
Delta R.T. -0.012 min

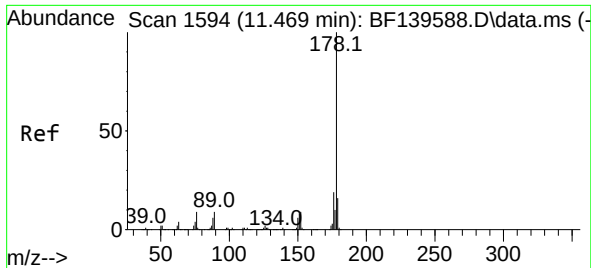
Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Tgt Ion:178 Resp: 405730

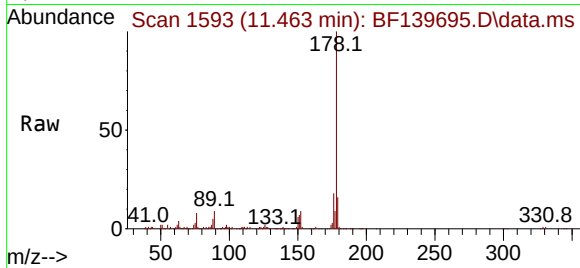
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.4	12.3	18.5





#72
 Anthracene
 Concen: 6.865 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF139695.D
 Acq: 07 Oct 2024 19:25

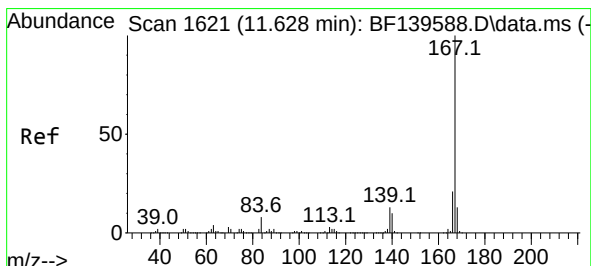
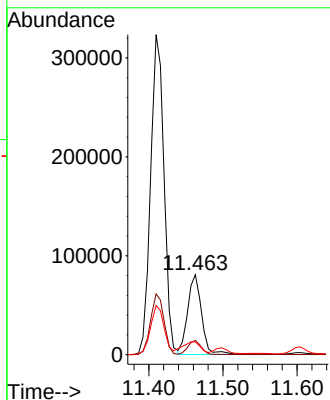
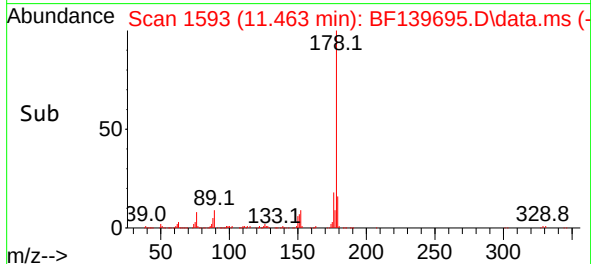
Instrument :
 BNA_F
 ClientSampleId :
 IB-2



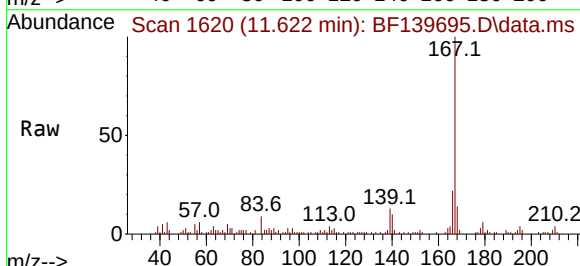
Tgt Ion:178 Resp: 105830
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.1 22.7
 179 16.1 12.5 18.7

Manual Integrations
 APPROVED

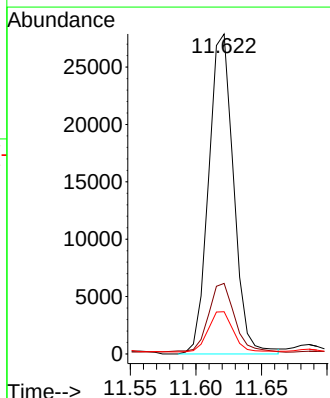
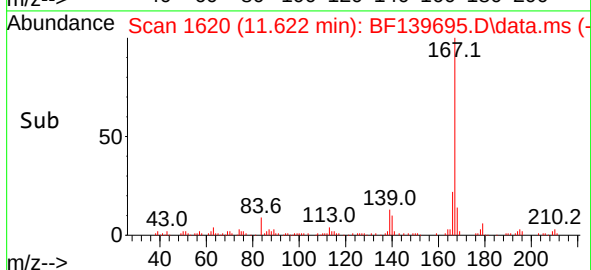
Reviewed By :Yogesh Patel 10/09/2024
 Supervised By :mohammad ahmed 10/09/2024

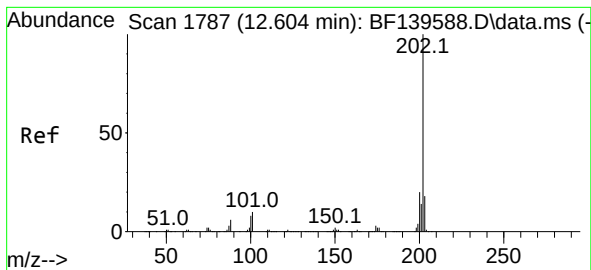


#73
 Carbazole
 Concen: 2.492 ng
 RT: 11.622 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF139695.D
 Acq: 07 Oct 2024 19:25



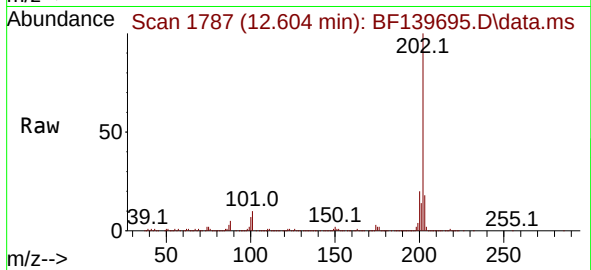
Tgt Ion:167 Resp: 36897
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.2 25.8
 139 13.2 10.3 15.5





#75
Fluoranthene
Concen: 24.647 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

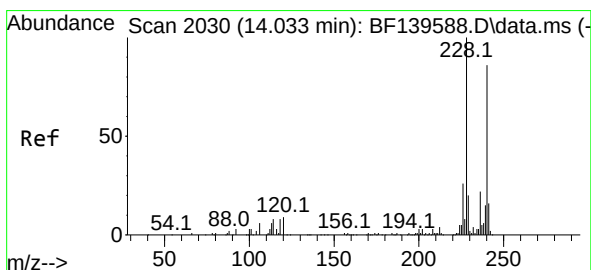
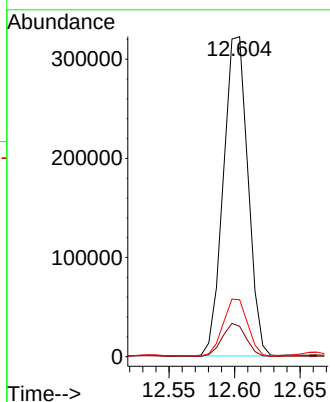
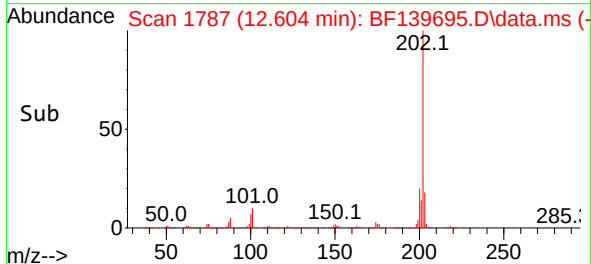
Instrument :
BNA_F
ClientSampleId :
IB-2



Tgt Ion:202 Resp: 41988
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.2
203 17.8 0.0 37.7

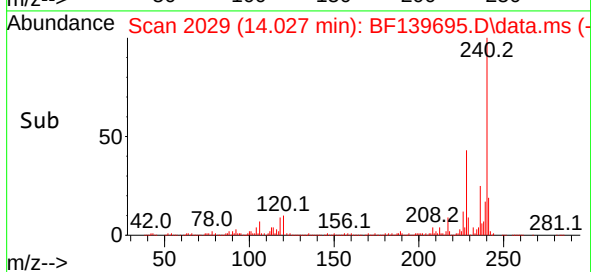
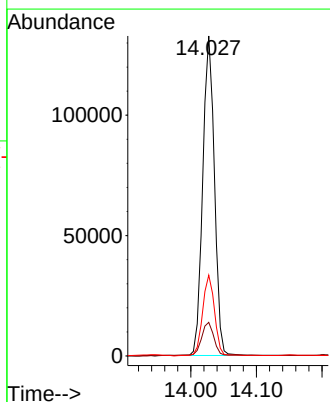
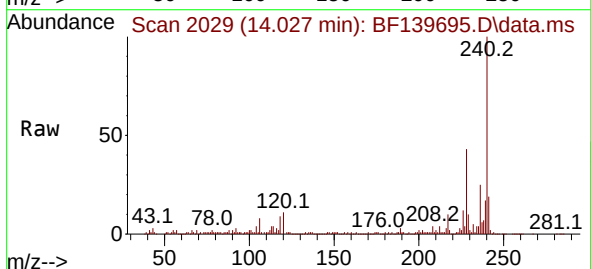
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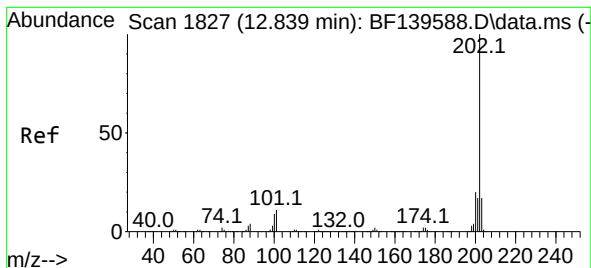
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Tgt Ion:240 Resp: 164843
Ion Ratio Lower Upper
240 100
120 10.5 8.4 12.6
236 25.3 20.3 30.5





#78

Pyrene

Concen: 23.710 ng

RT: 12.827 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

IB-2

Tgt Ion:202 Resp: 349560

Ion Ratio Lower Upper

202 100

200 20.0 15.8 23.6

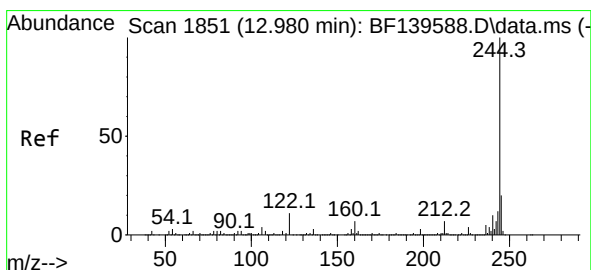
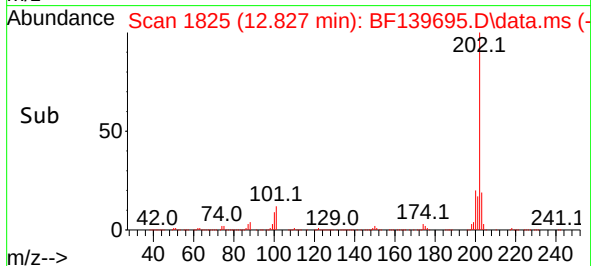
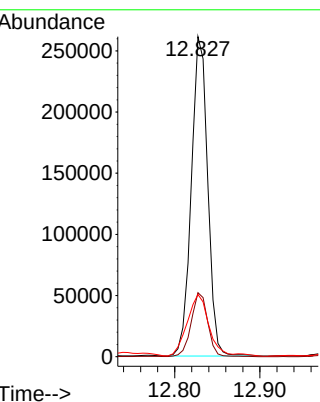
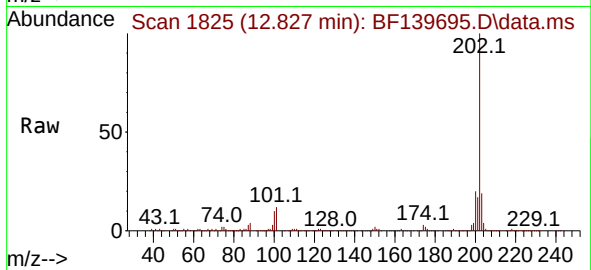
203 19.4 13.8 20.8

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Reviewed By :Yogesh Patel 10/09/2024

Supervised By :mohammad ahmed 10/09/2024



#79

Terphenyl-d14

Concen: 56.799 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

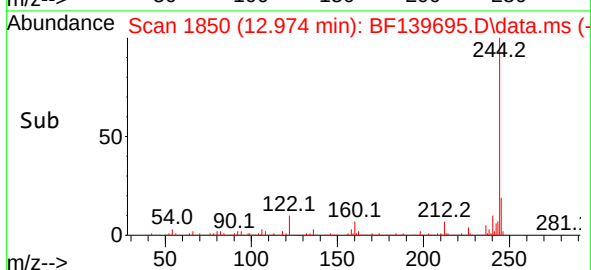
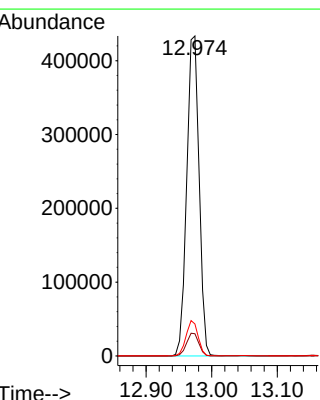
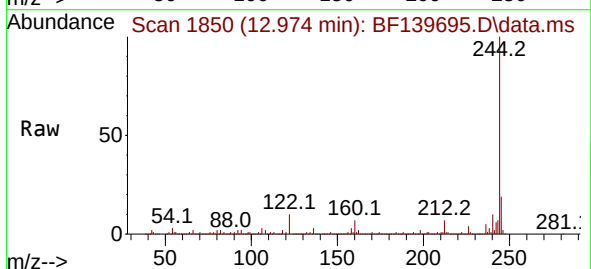
Tgt Ion:244 Resp: 570623

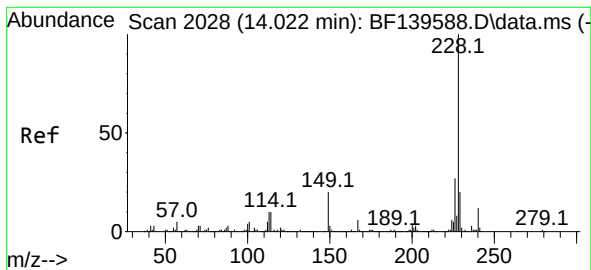
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 10.0 8.6 12.8





#81

Benzo(a)anthracene

Concen: 13.417 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

IB-2

Tgt Ion:228 Resp: 145408

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

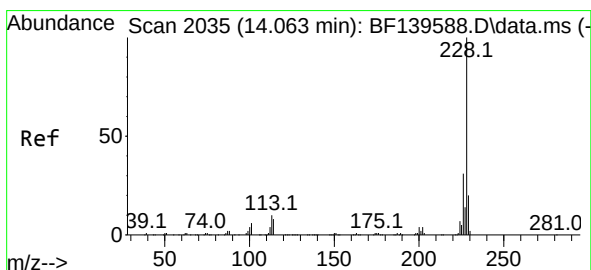
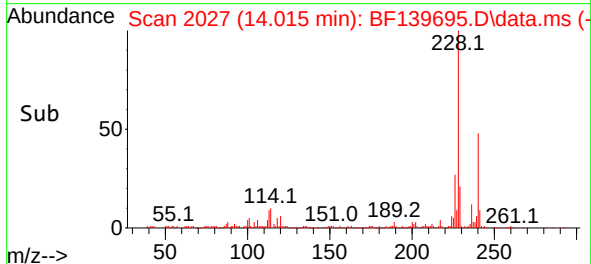
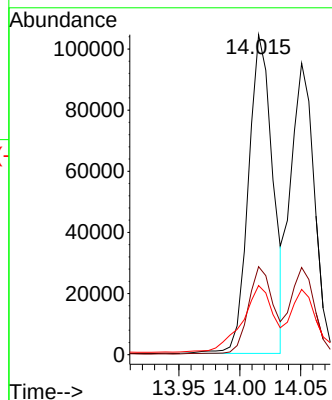
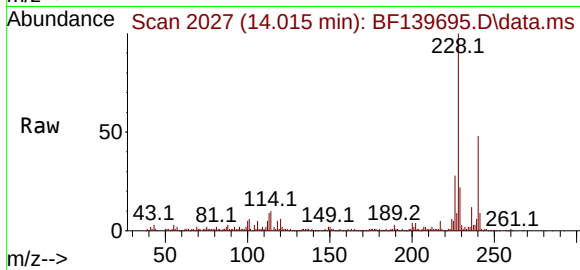
229 21.6 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/09/2024

Supervised By :mohammad ahmed 10/09/2024



#83

Chrysene

Concen: 12.820 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF139695.D

Acq: 07 Oct 2024 19:25

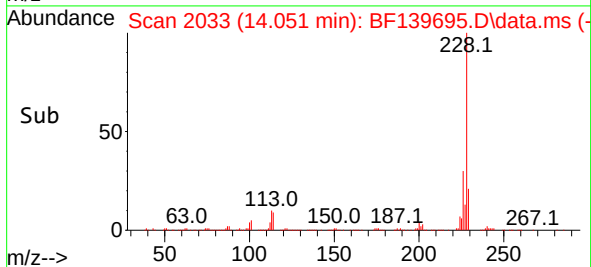
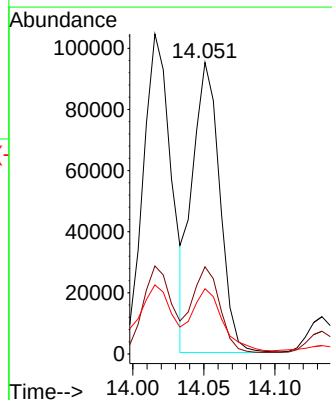
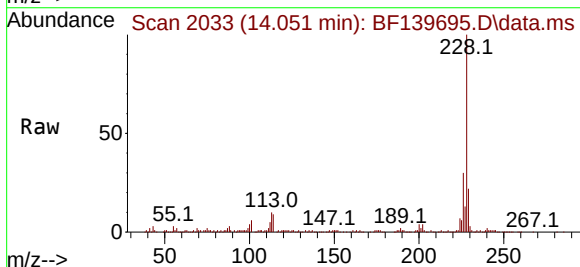
Tgt Ion:228 Resp: 127030

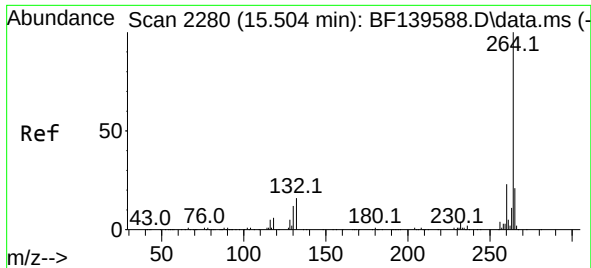
Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

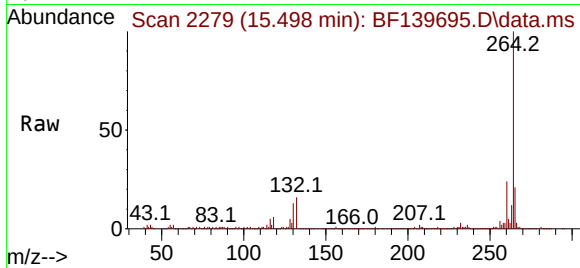
229 22.4 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

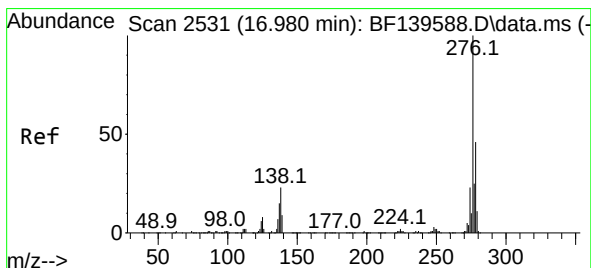
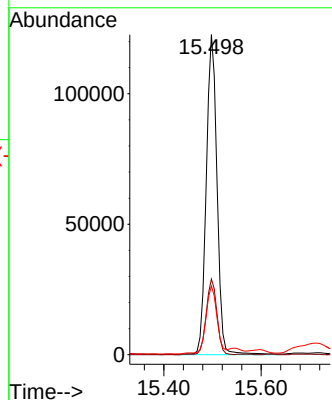
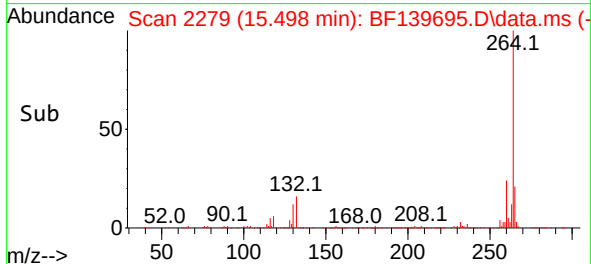
Instrument :
BNA_F
ClientSampleId :
IB-2



Tgt Ion:264 Resp: 187774
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.5 16.9 25.3

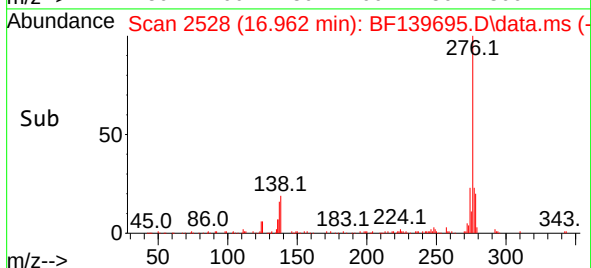
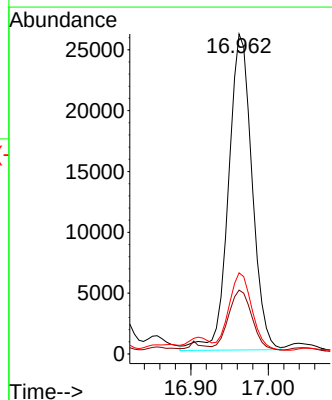
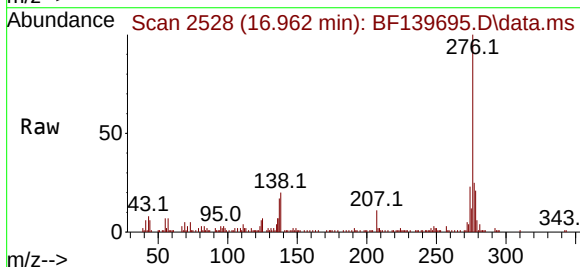
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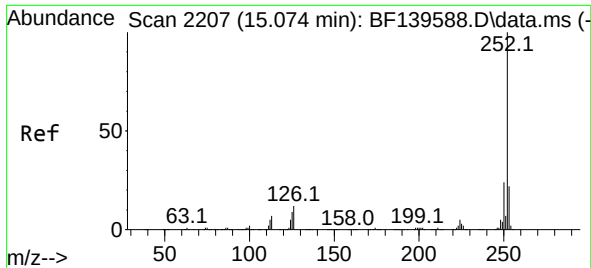
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.973 ng
RT: 16.962 min Scan# 2528
Delta R.T. -0.018 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

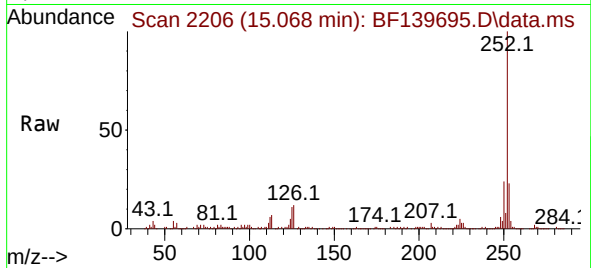
Tgt Ion:276 Resp: 54966
Ion Ratio Lower Upper
276 100
138 19.4 19.4 29.0
277 24.0 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 11.760 ng m
RT: 15.068 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

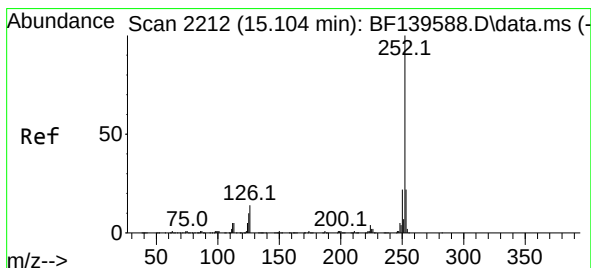
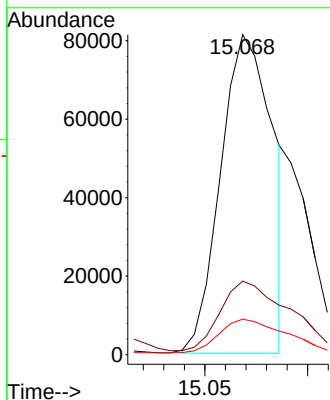
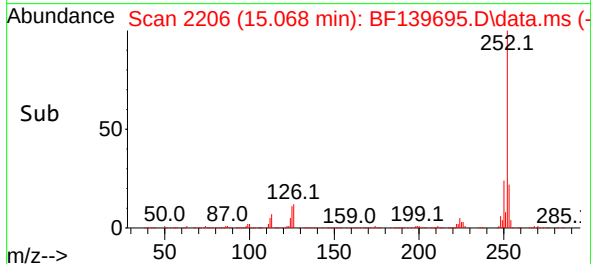
Instrument :
BNA_F
ClientSampleId :
IB-2



Tgt Ion:252 Resp: 142783
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 11.1 7.4 11.0

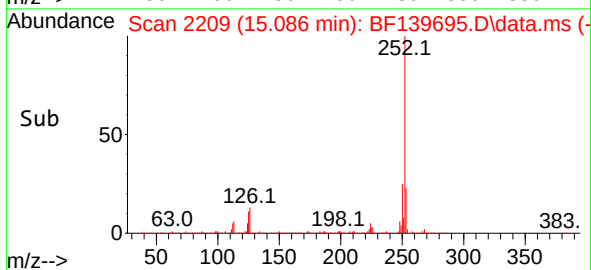
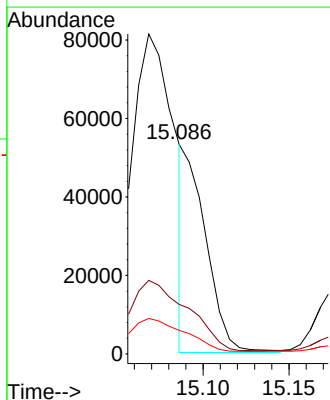
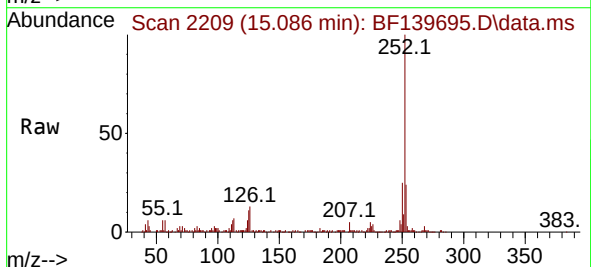
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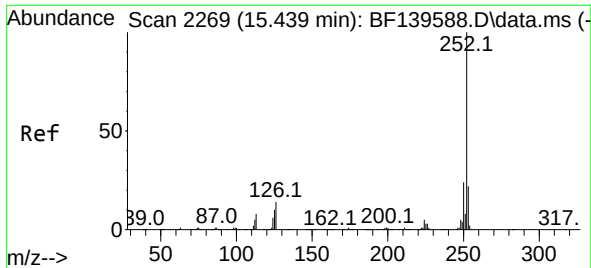
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024



#89
Benzo(k)fluoranthene
Concen: 4.437 ng m
RT: 15.086 min Scan# 2209
Delta R.T. -0.018 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Tgt Ion:252 Resp: 45692
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 11.3 7.6 11.4





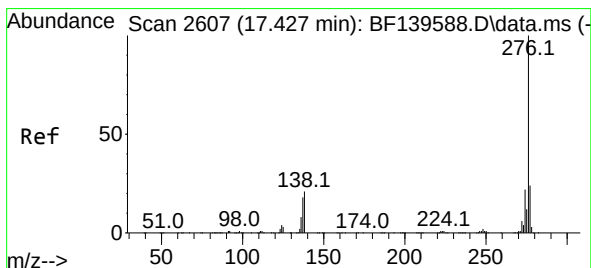
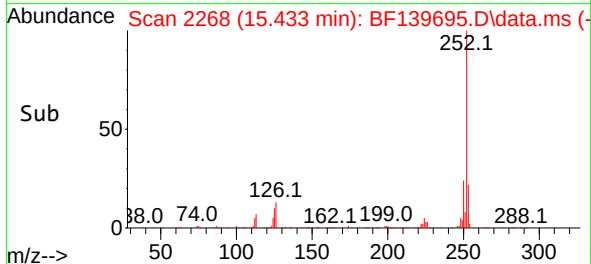
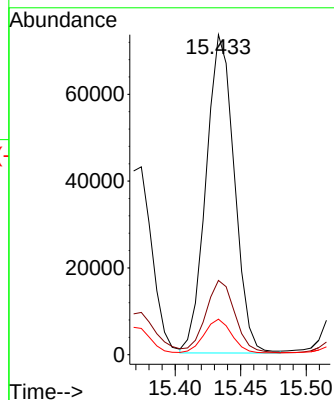
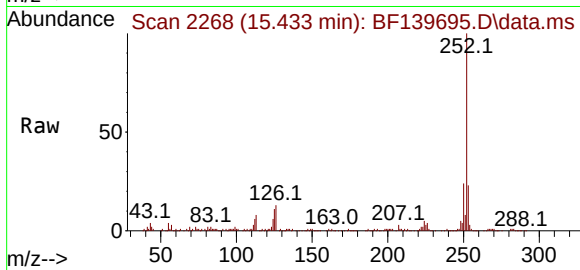
#90
Benzo(a)pyrene
Concen: 11.514 ng
RT: 15.433 min Scan# 210
Delta R.T. -0.006 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Instrument :
BNA_F
ClientSampleId :
IB-2

Tgt Ion:252 Resp: 110228
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 11.1 8.3 12.5

Manual Integrations
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Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024



#92
Benzo(g,h,i)perylene
Concen: 4.986 ng
RT: 17.409 min Scan# 2604
Delta R.T. -0.018 min
Lab File: BF139695.D
Acq: 07 Oct 2024 19:25

Tgt Ion:276 Resp: 45834
Ion Ratio Lower Upper
276 100
277 25.7 19.0 28.6
138 22.0 17.0 25.6

