

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100224\
 Data File : BF139611.D
 Acq On : 02 Oct 2024 17:21
 Operator : RC/JU
 Sample : P4234-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-093024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/03/2024
 Supervised By :mohammad ahmed 10/04/2024

Quant Time: Oct 02 18:09:26 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	104964	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	378018	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	186331	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	274958	20.000	ng	0.00
76) Chrysene-d12	14.027	240	195209	20.000	ng	0.00
86) Perylene-d12	15.504	264	165501	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	218601	36.097	ng	-0.01
7) Phenol-d6	6.493	99	282342	34.669	ng	-0.01
23) Nitrobenzene-d5	7.422	82	177353	23.754	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	47843	26.598	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	318462	26.238	ng	0.00
79) Terphenyl-d14	12.969	244	236980	19.919	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.763	152	36236	2.293	ng	100
58) Fluorene	10.445	166	29466	2.436	ng	98
71) Phenanthrene	11.410	178	286643	22.110	ng	100
72) Anthracene	11.463	178	77269	6.025	ng	99
75) Fluoranthene	12.604	202	531515	37.504	ng	99
78) Pyrene	12.833	202	469590	26.896	ng	99
81) Benzo(a)anthracene	14.021	228	288614	22.488	ng	93
83) Chrysene	14.057	228	216510	18.452	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	90319	9.272	ng	96
88) Benzo(b)fluoranthene	15.074	252	248636m	23.235	ng	
89) Benzo(k)fluoranthene	15.092	252	84603m	9.320	ng	
90) Benzo(a)pyrene	15.439	252	176830	20.957	ng	98
91) Dibenzo(a,h)anthracene	16.980	278	23050	2.853	ng	# 84
92) Benzo(g,h,i)perylene	17.415	276	84378	10.413	ng	99

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

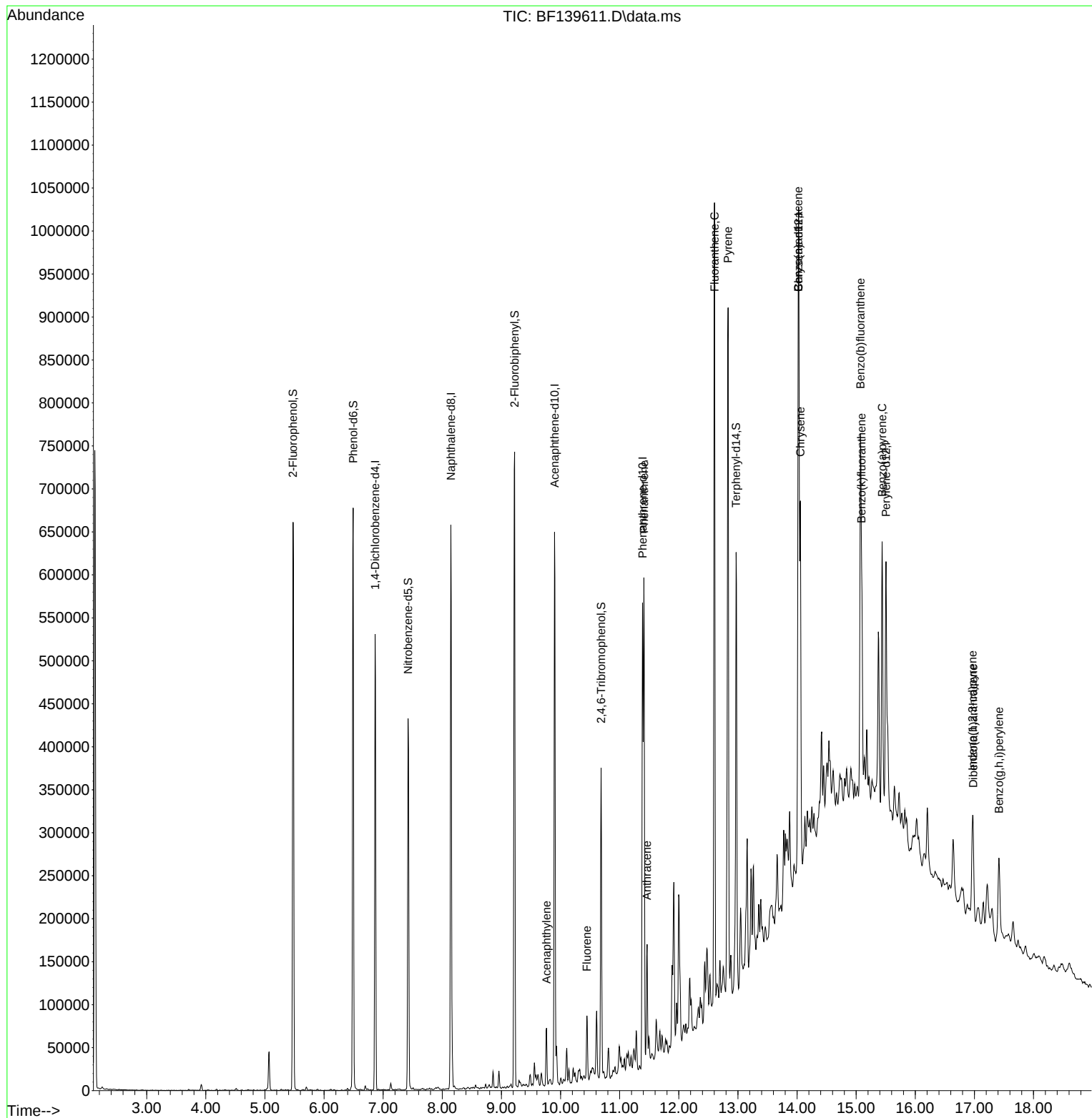
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100224\
Data File : BF139611.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

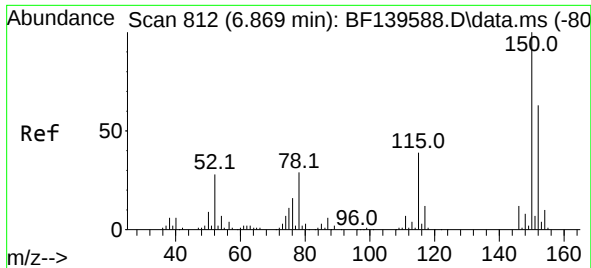
Instrument :
BNA_F
ClientSampleId :
EO-02-093024

Quant Time: Oct 02 18:09:26 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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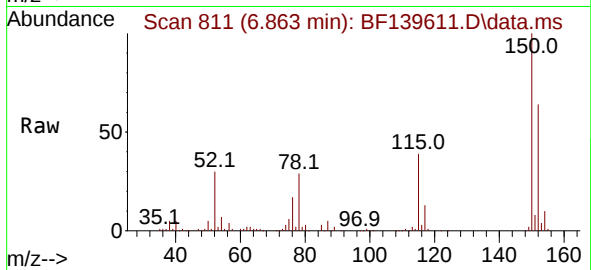
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Instrument :

BNA_F

ClientSampleId :

EO-02-093024

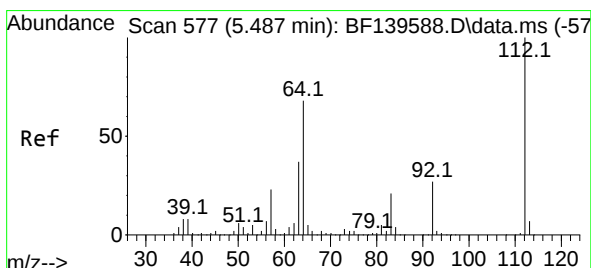
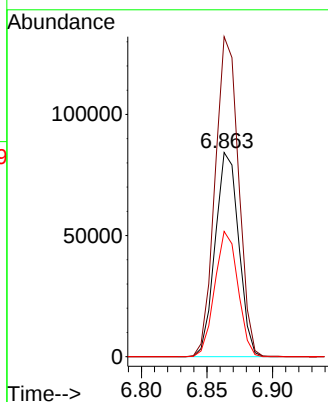
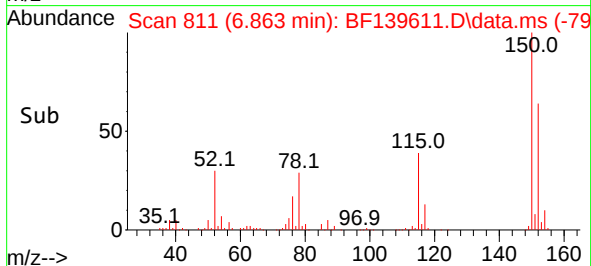


Tgt Ion:152 Resp: 104964
Ion Ratio Lower Upper
152 100
150 156.8 127.2 190.8
115 61.4 49.0 73.4

Manual Integrations

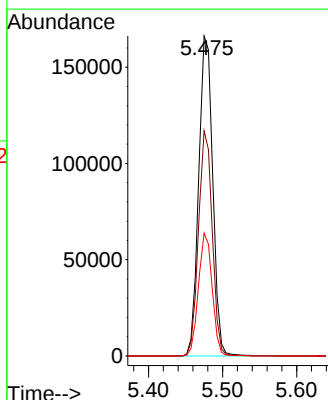
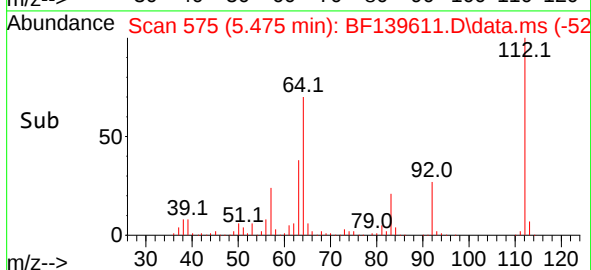
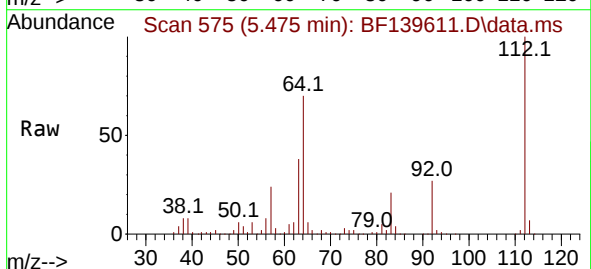
APPROVED

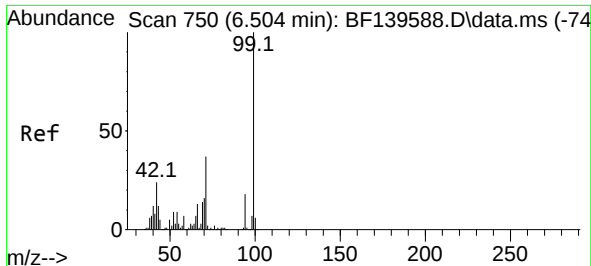
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#5
2-Fluorophenol
Concen: 36.097 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.012 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

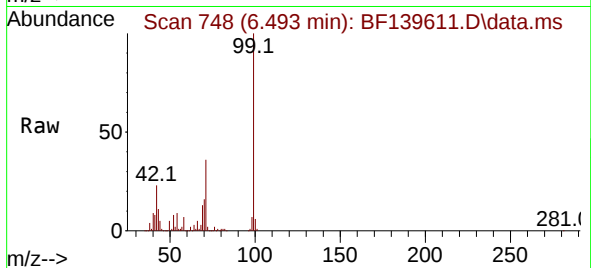
Tgt Ion:112 Resp: 218601
Ion Ratio Lower Upper
112 100
64 70.4 54.2 81.4
63 38.4 29.4 44.2





#7
Phenol-d6
Concen: 34.669 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

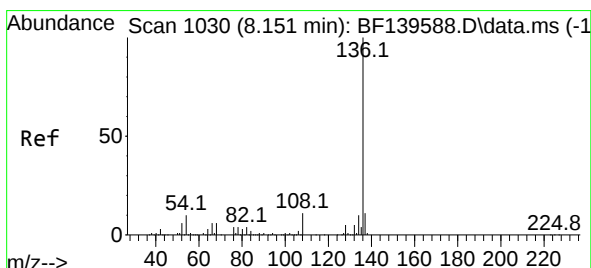
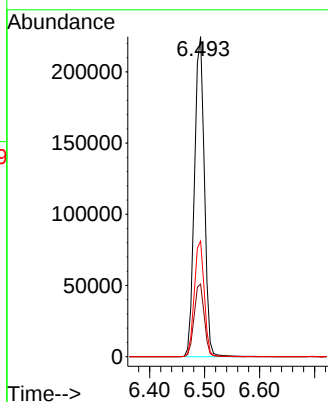
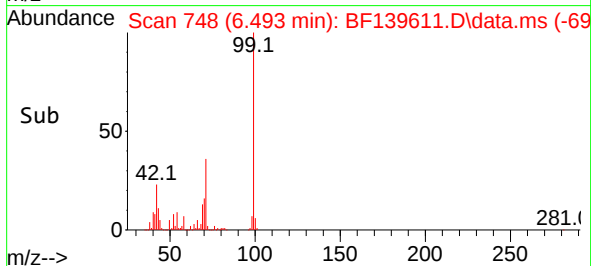
Instrument :
BNA_F
ClientSampleId :
EO-02-093024



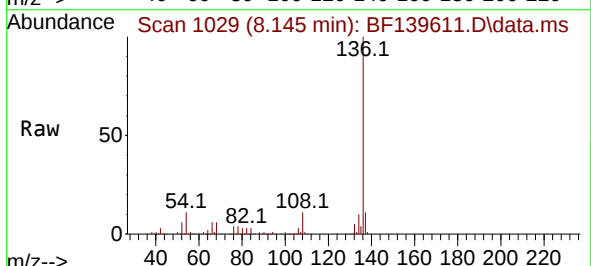
Tgt Ion: 99 Resp: 28234
Ion Ratio Lower Upper
99 100
42 22.7 19.1 28.7
71 36.1 29.7 44.5

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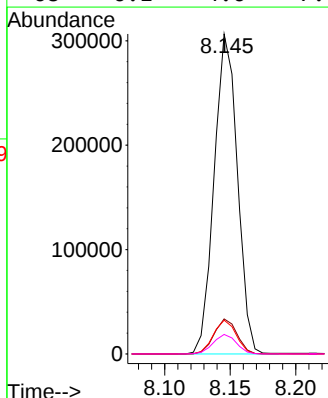
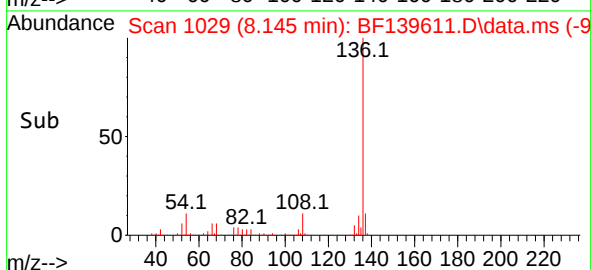
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21



Tgt Ion:136 Resp: 378018
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.6 8.3 12.5
68 6.1 4.6 7.0





#23

Nitrobenzene-d5

Concen: 23.754 ng

RT: 7.422 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139611.D

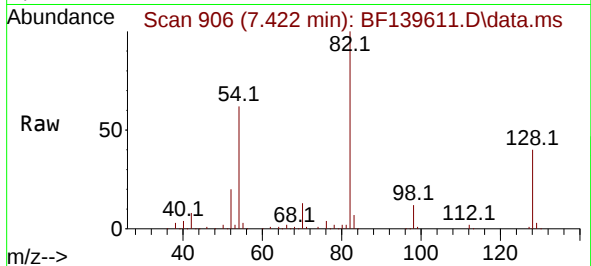
Acq: 02 Oct 2024 17:21

Instrument :

BNA_F

ClientSampleId :

EO-02-093024



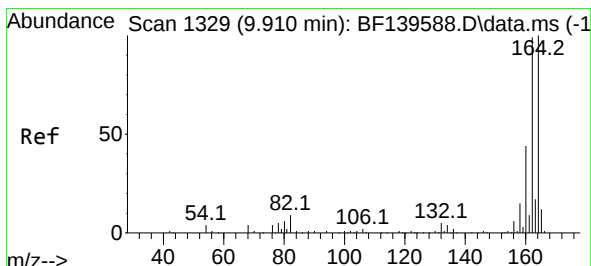
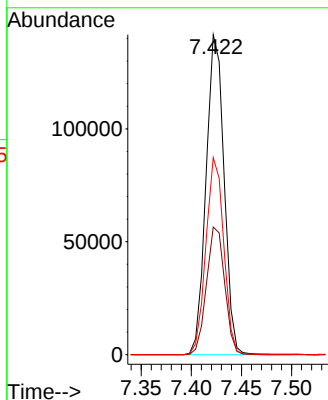
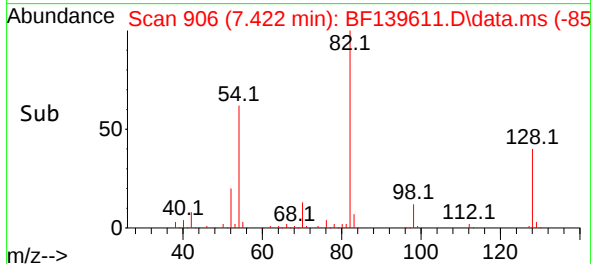
Tgt Ion: 82 Resp: 17735

Ion	Ratio	Lower	Upper
82	100		
128	39.9	32.4	48.6
54	61.6	49.1	73.7

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1327

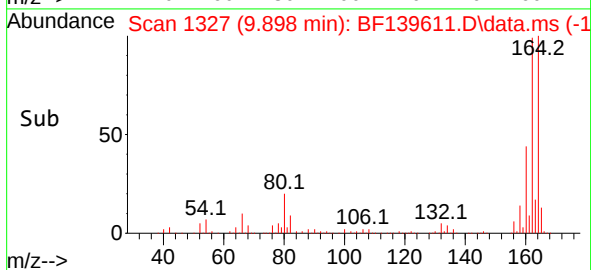
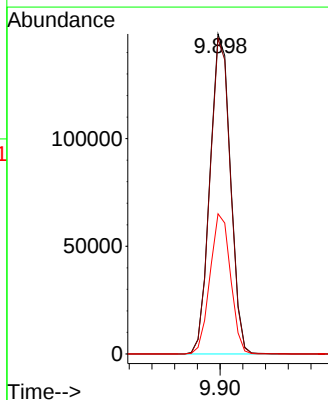
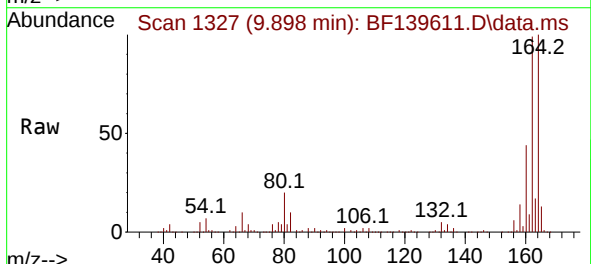
Delta R.T. -0.012 min

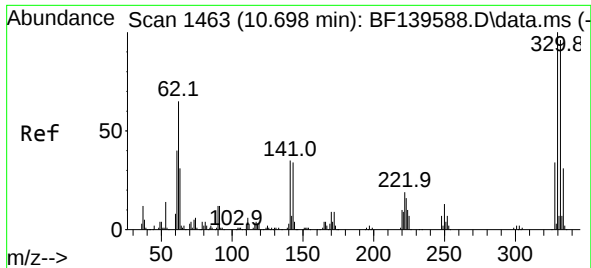
Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

Tgt Ion:164 Resp: 186331

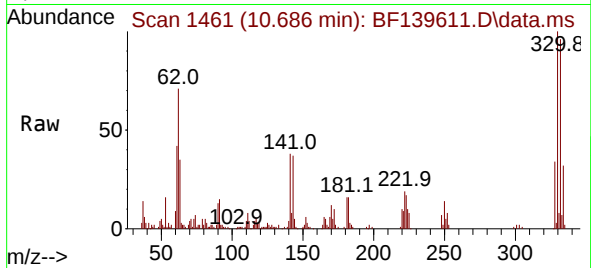
Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.4	119.0
160	43.8	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 26.598 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

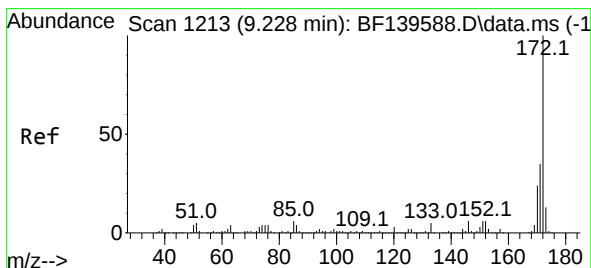
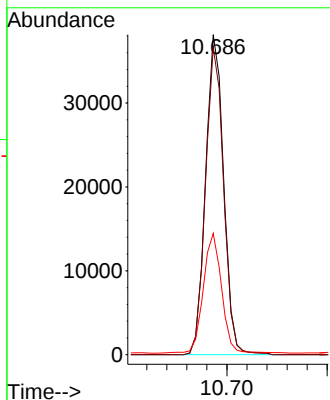
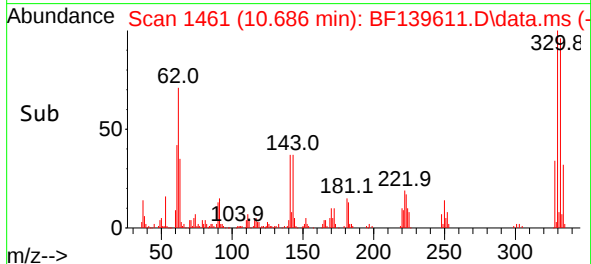
Instrument :
BNA_F
ClientSampleId :
EO-02-093024



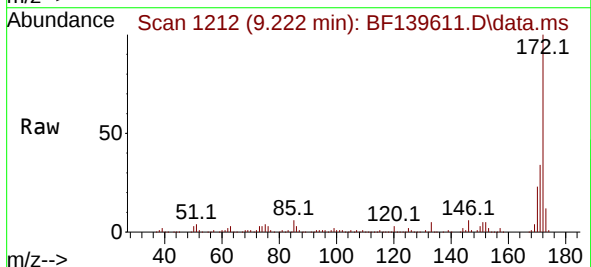
Tgt Ion: 330 Resp: 4784
Ion Ratio Lower Upper
330 100
332 96.1 76.5 114.7
141 39.6 29.3 43.9

Manual Integrations
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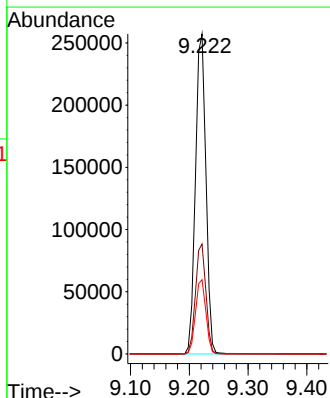
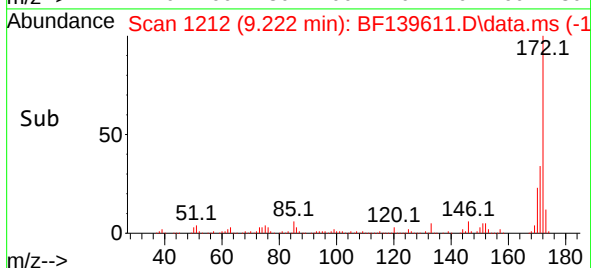
Reviewed By : Jagrut Upadhyay 10/03/2024
Supervised By : mohammad ahmed 10/04/2024

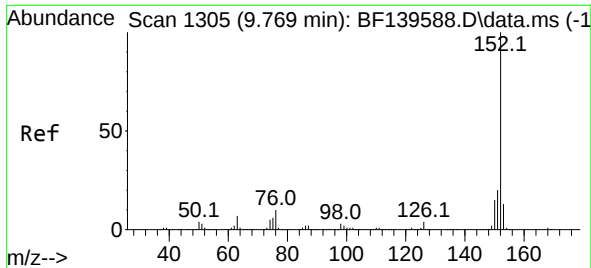


#45
2-Fluorobiphenyl
Concen: 26.238 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21



Tgt Ion: 172 Resp: 318462
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.4
170 23.2 18.8 28.2





#49
Acenaphthylene
Concen: 2.293 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Instrument :

BNA_F

ClientSampleId :

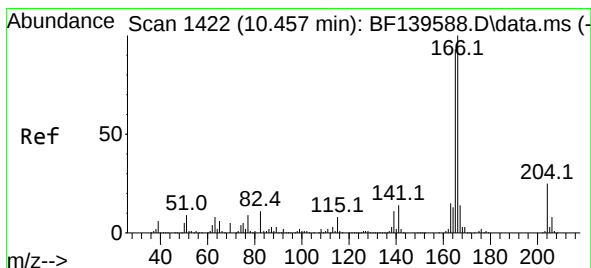
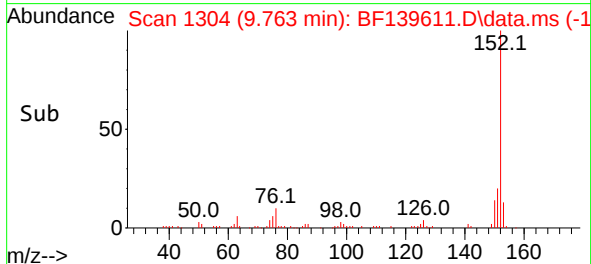
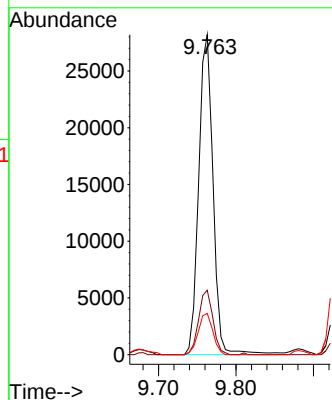
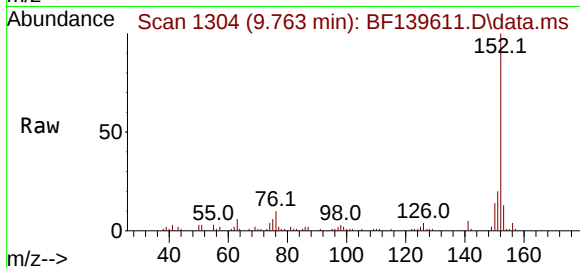
EO-02-093024

Tgt Ion:152 Resp: 36230
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 12.9 10.5 15.7

Manual Integrations

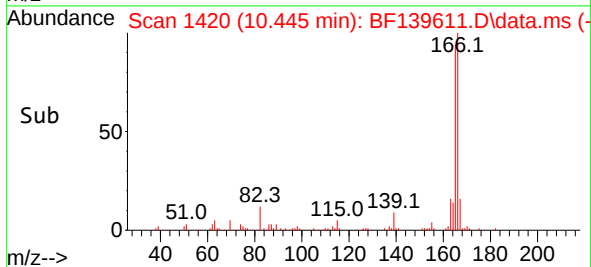
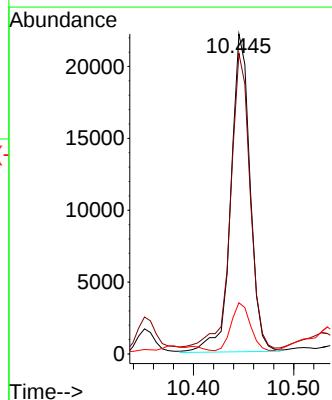
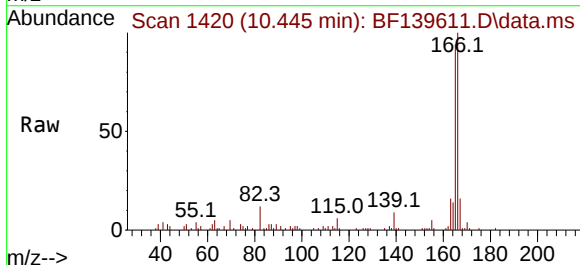
APPROVED

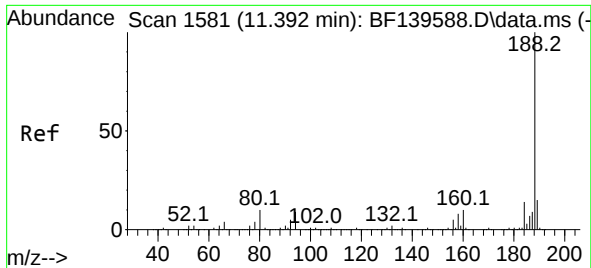
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#58
Fluorene
Concen: 2.436 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

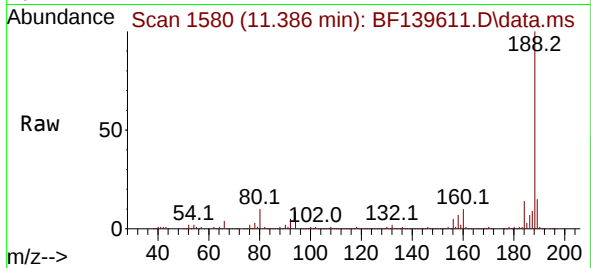
Tgt Ion:166 Resp: 29466
Ion Ratio Lower Upper
166 100
165 93.9 74.4 111.6
167 16.0 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

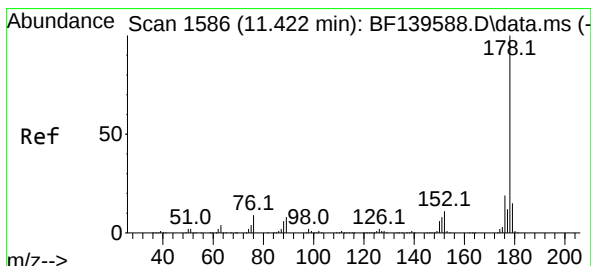
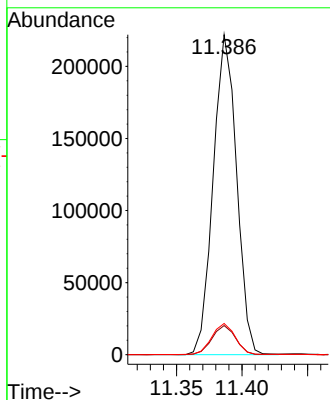
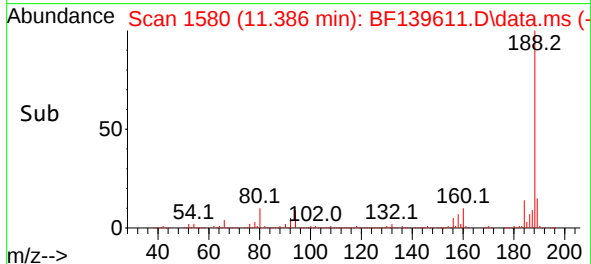
Instrument :
BNA_F
ClientSampleId :
EO-02-093024



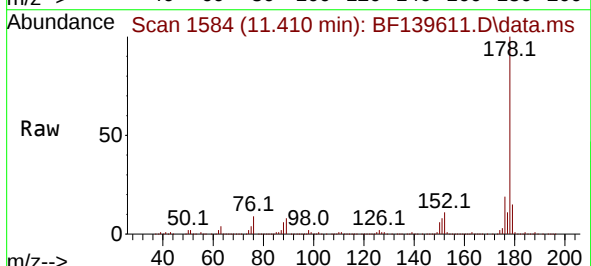
Tgt Ion:188 Resp: 274958
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.8 8.2 12.2

Manual Integrations
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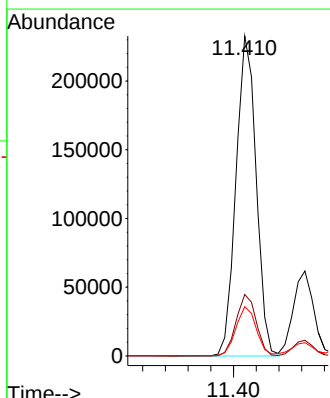
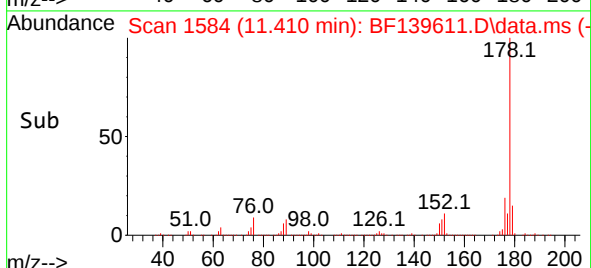
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024

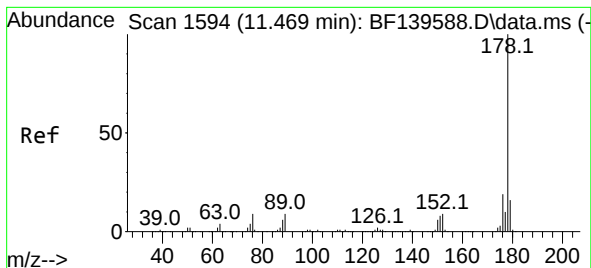


#71
Phenanthrene
Concen: 22.110 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21



Tgt Ion:178 Resp: 286643
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.4 12.3 18.5





#72

Anthracene

Concen: 6.025 ng

RT: 11.463 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

Instrument :

BNA_F

ClientSampleId :

EO-02-093024

Tgt Ion:178 Resp: 77269

Ion Ratio Lower Upper

178 100

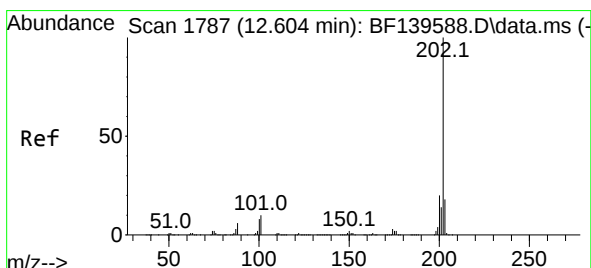
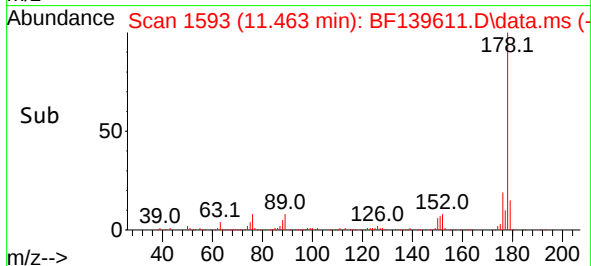
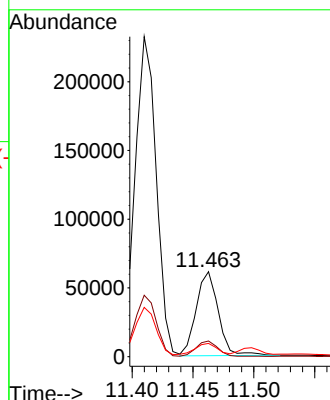
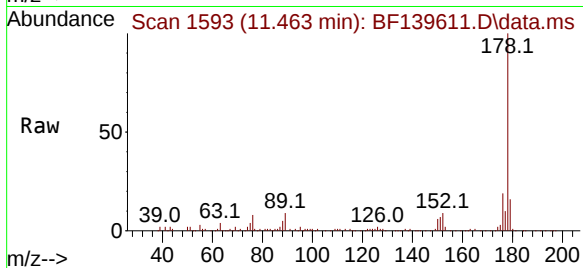
176 18.5 15.1 22.7

179 15.6 12.5 18.7

Manual Integrations

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#75

Fluoranthene

Concen: 37.504 ng

RT: 12.604 min Scan# 1787

Delta R.T. -0.000 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

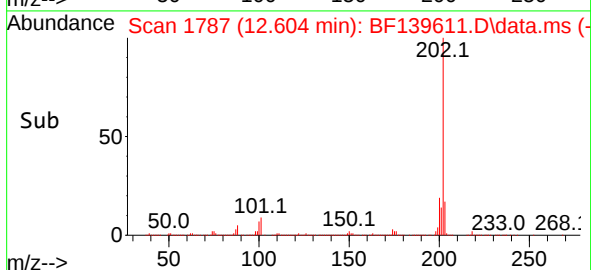
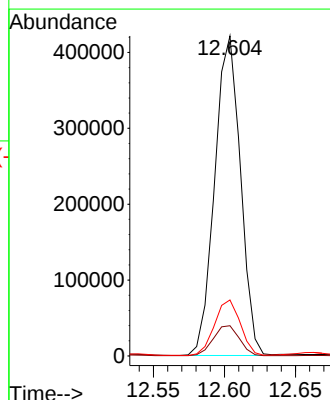
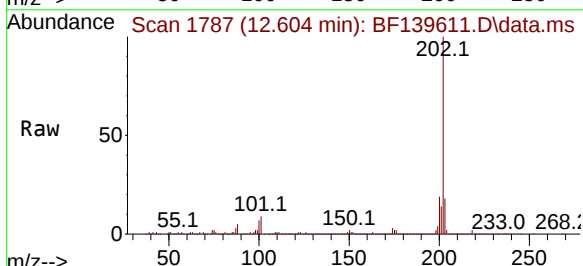
Tgt Ion:202 Resp: 531515

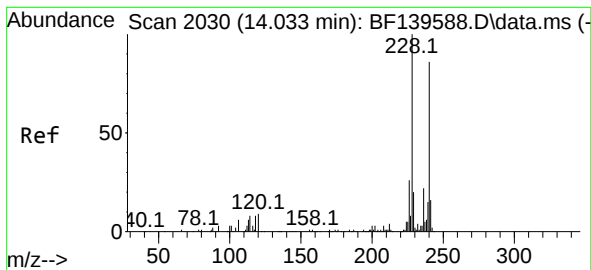
Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.2

203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

Instrument :

BNA_F

ClientSampleId :

EO-02-093024

Tgt Ion:240 Resp: 195209

Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

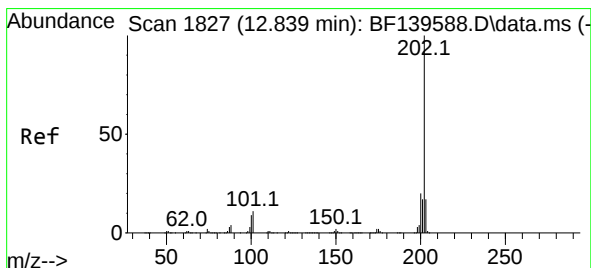
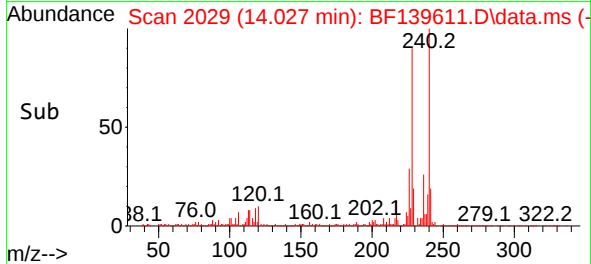
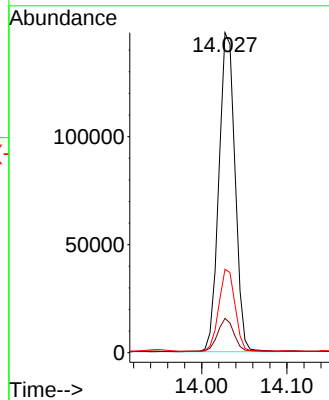
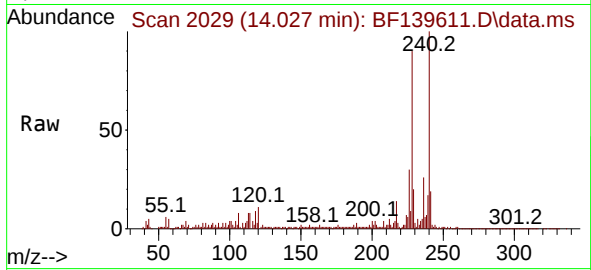
236 26.1 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/03/2024

Supervised By :mohammad ahmed 10/04/2024



#78

Pyrene

Concen: 26.896 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

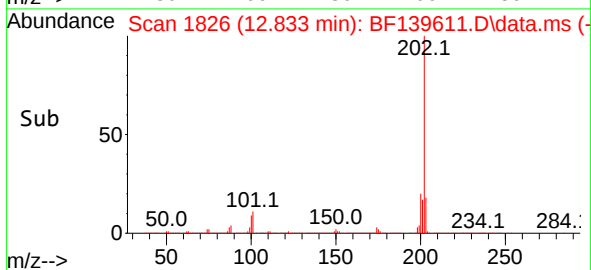
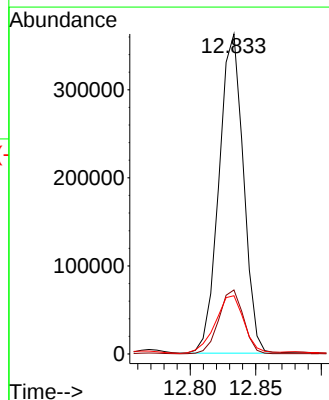
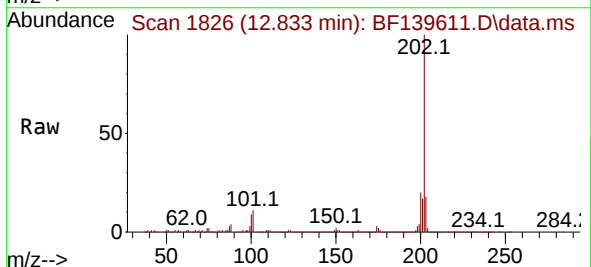
Tgt Ion:202 Resp: 469590

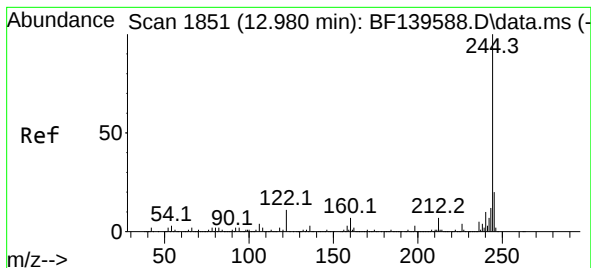
Ion Ratio Lower Upper

202 100

200 20.0 15.8 23.6

203 18.2 13.8 20.8





#79

Terphenyl-d14

Concen: 19.919 ng

RT: 12.969 min Scan# 1849

Delta R.T. -0.011 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

Instrument :

BNA_F

ClientSampleId :

EO-02-093024

Tgt Ion:244 Resp: 236980

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

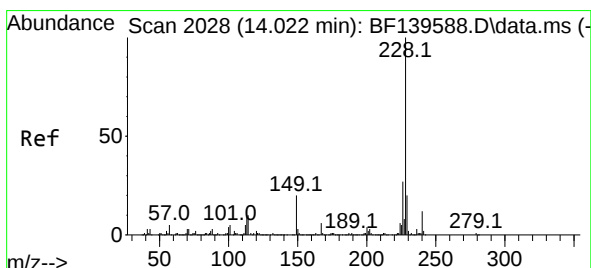
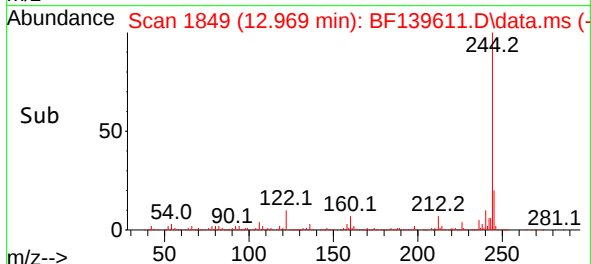
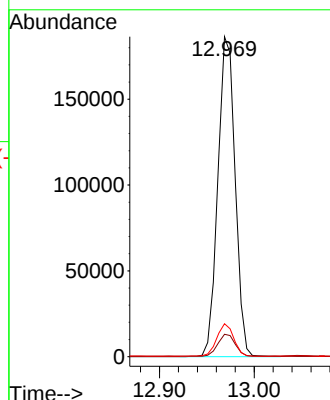
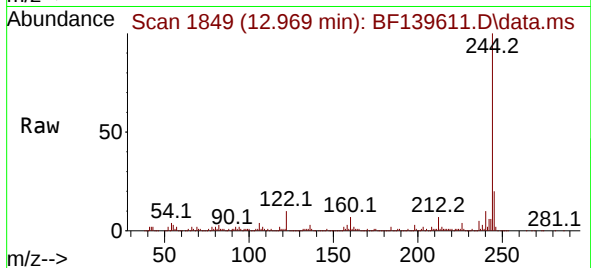
122 10.3 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/03/2024

Supervised By :mohammad ahmed 10/04/2024



#81

Benzo(a)anthracene

Concen: 22.488 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

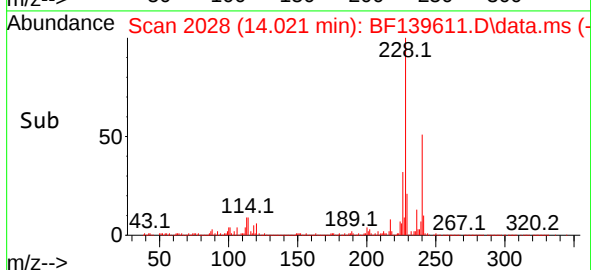
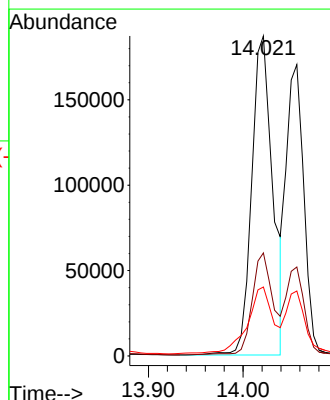
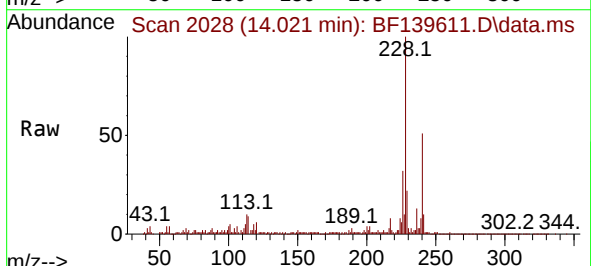
Tgt Ion:228 Resp: 288614

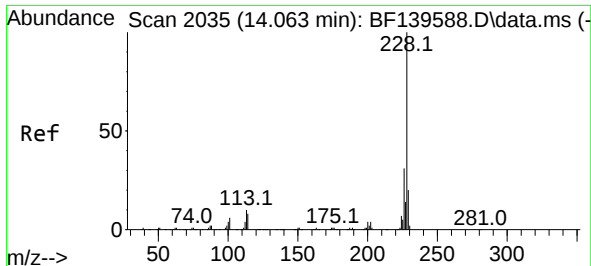
Ion Ratio Lower Upper

228 100

226 32.2 21.8 32.8

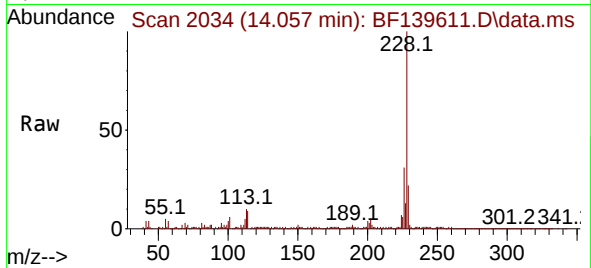
229 21.5 15.8 23.8





#83
Chrysene
Concen: 18.452 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

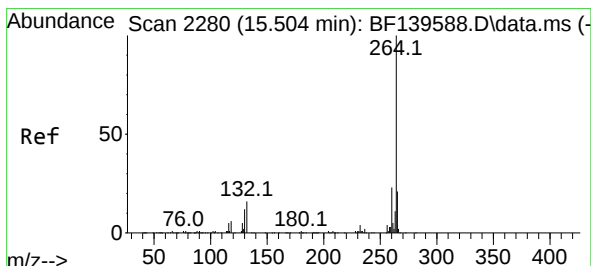
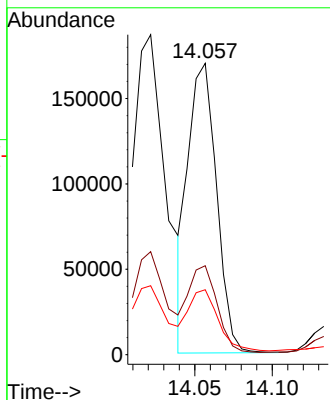
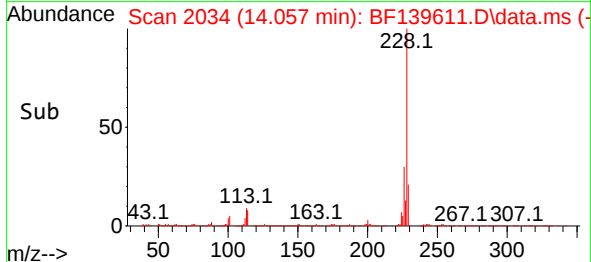
Instrument :
BNA_F
ClientSampleId :
EO-02-093024



Tgt Ion:228 Resp: 216510
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.3 15.7 23.5

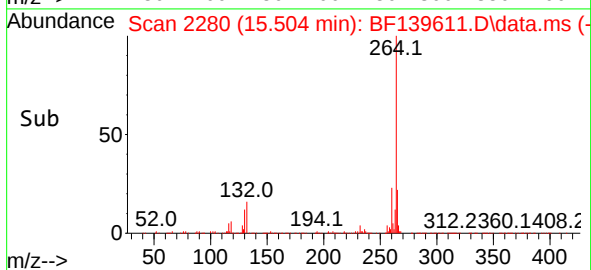
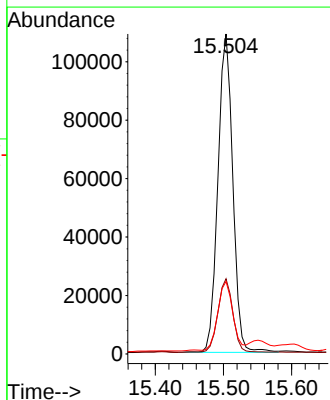
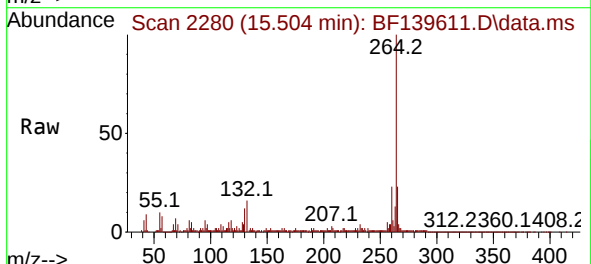
Manual Integrations
APPROVED

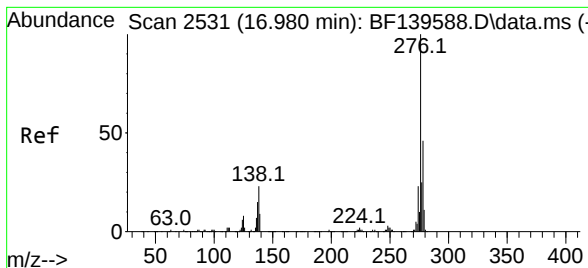
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Tgt Ion:264 Resp: 165501
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 22.6 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.272 ng
RT: 16.968 min Scan# 2529
Delta R.T. -0.012 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Instrument :

BNA_F

ClientSampleId :

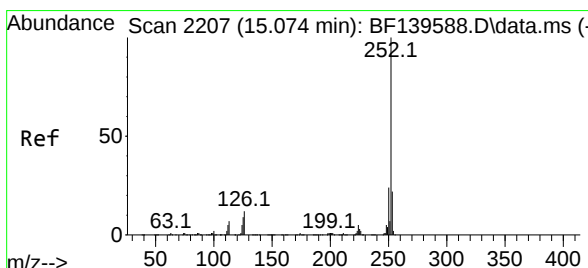
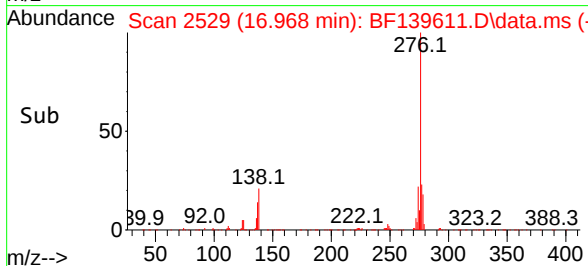
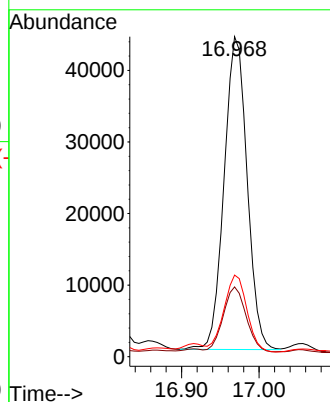
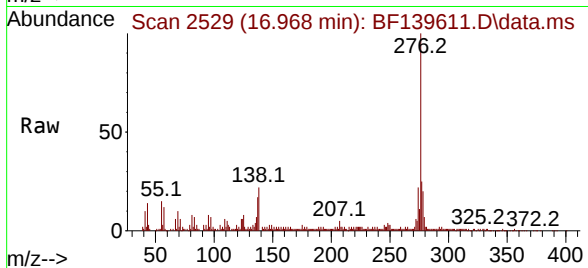
EO-02-093024

Tgt Ion:276 Resp: 90319
Ion Ratio Lower Upper
276 100
138 20.6 19.4 29.0
277 24.6 20.2 30.2

Manual Integrations

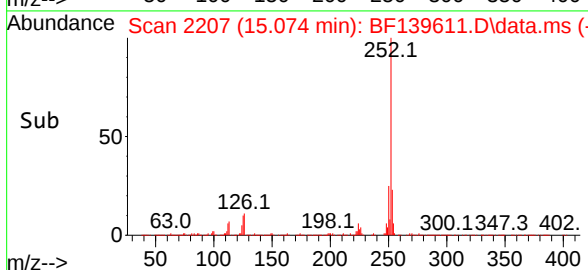
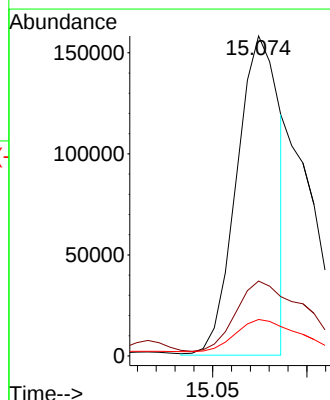
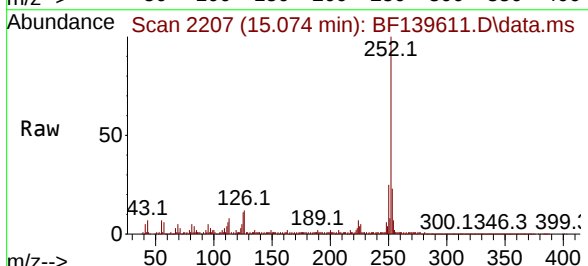
APPROVED

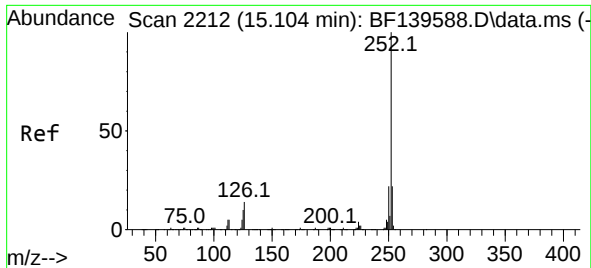
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#88
Benzo(b)fluoranthene
Concen: 23.235 ng m
RT: 15.074 min Scan# 2207
Delta R.T. -0.000 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Tgt Ion:252 Resp: 248636
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.4 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 9.320 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

Instrument :

BNA_F

ClientSampleId :

EO-02-093024

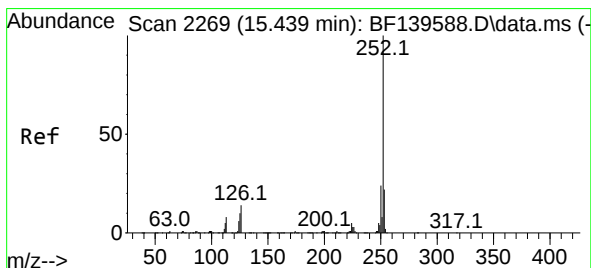
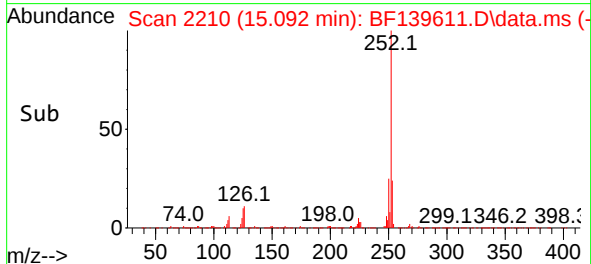
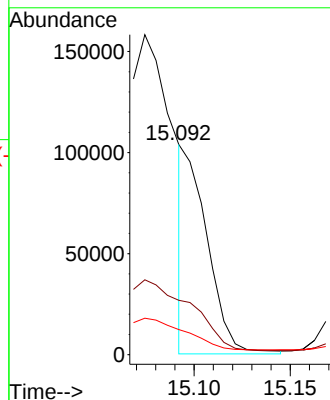
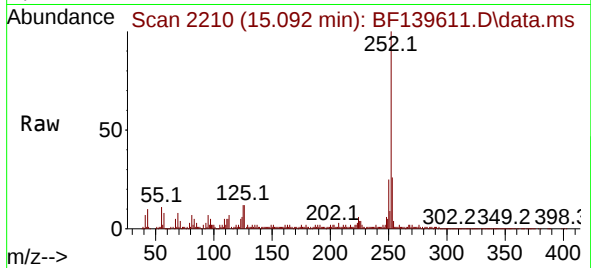
Tgt Ion:252 Resp: 8460

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.5	26.3
125	11.9	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#90

Benzo(a)pyrene

Concen: 20.957 ng

RT: 15.439 min Scan# 2269

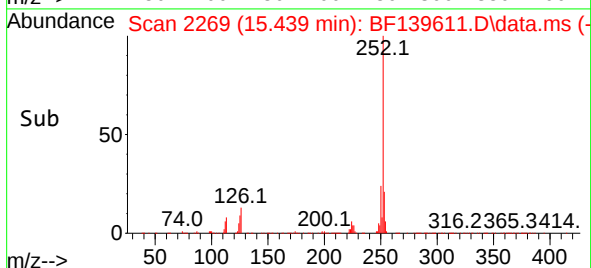
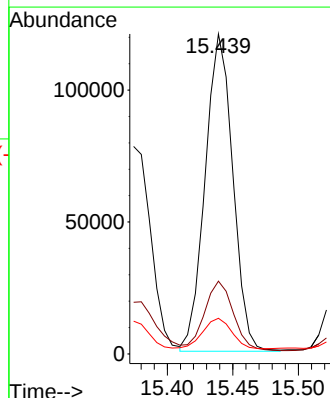
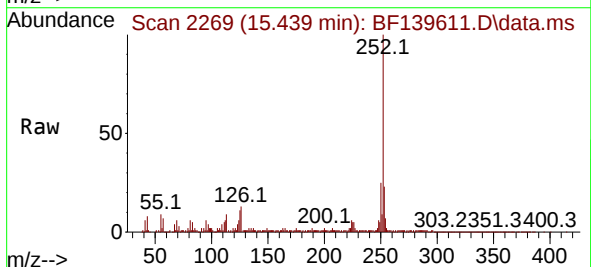
Delta R.T. -0.000 min

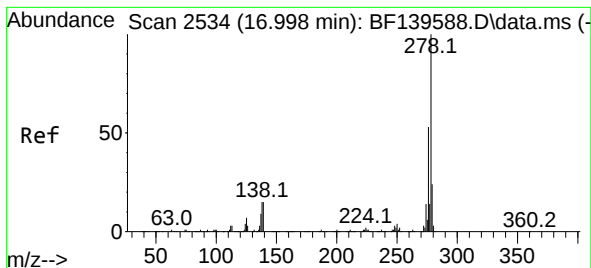
Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

Tgt Ion:252 Resp: 176830

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	11.2	8.3	12.5





#91

Dibenzo(a,h)anthracene

Concen: 2.853 ng

RT: 16.980 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

Instrument :

BNA_F

ClientSampleId :

EO-02-093024

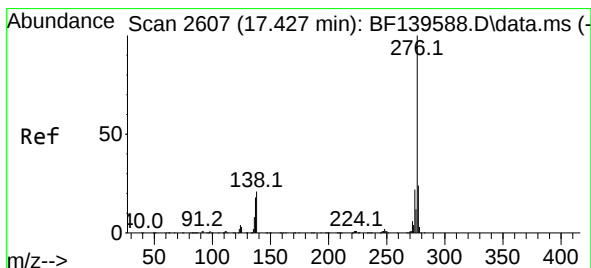
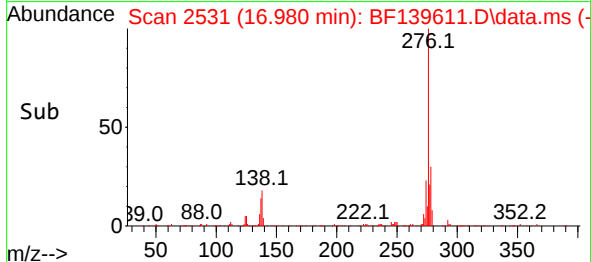
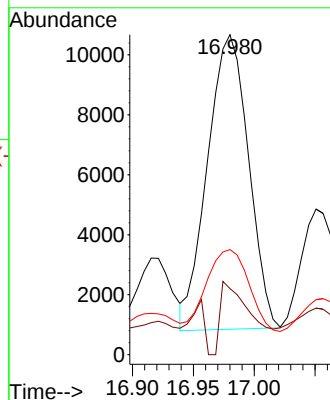
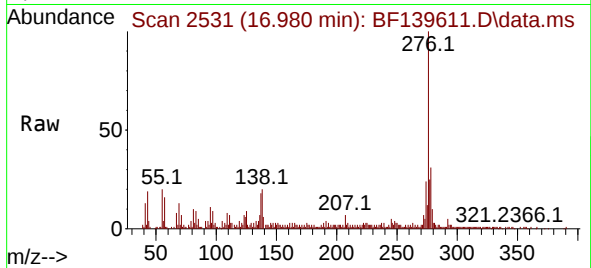
Tgt Ion:278 Resp: 23050

Ion	Ratio	Lower	Upper
278	100		
139	20.7	12.2	18.4
279	32.8	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#92

Benzo(g,h,i)perylene

Concen: 10.413 ng

RT: 17.415 min Scan# 2605

Delta R.T. -0.012 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

Tgt Ion:276 Resp: 84378

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.6
138	21.5	17.0	25.6

