

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139911.D
 Acq On : 21 Oct 2024 19:06
 Operator : RC/JU
 Sample : P4406-01RE 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-101524RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 22 01:19:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	148146	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	489177	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	239002	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	426372	20.000	ng	0.00
76) Chrysene-d12	14.057	240	255164	20.000	ng	0.00
86) Perylene-d12	15.539	264	227867	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	176507	18.652	ng	0.00
7) Phenol-d6	6.498	99	212139	17.308	ng	-0.01
23) Nitrobenzene-d5	7.445	82	114521	12.975	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	38502	17.223	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	208861	14.443	ng	0.00
79) Terphenyl-d14	12.998	244	212008	13.539	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.786	152	105480	5.445	ng	99
58) Fluorene	10.475	166	35275	2.576	ng	# 93
71) Phenanthrene	11.439	178	237444	11.790	ng	99
72) Anthracene	11.486	178	68590	3.491	ng	99
75) Fluoranthene	12.627	202	299774	14.724	ng	99
78) Pyrene	12.857	202	382428	17.122	ng	99
81) Benzo(a)anthracene	14.045	228	180830m	10.887	ng	
83) Chrysene	14.080	228	151177	9.926	ng	96
87) Indeno(1,2,3-cd)pyrene	17.027	276	66774	4.555	ng	# 94
88) Benzo(b)fluoranthene	15.104	252	158393m	11.411	ng	
89) Benzo(k)fluoranthene	15.116	252	68246m	5.701	ng	
90) Benzo(a)pyrene	15.468	252	123961	10.853	ng	# 94
92) Benzo(g,h,i)perylene	17.480	276	72337	5.922	ng	95

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

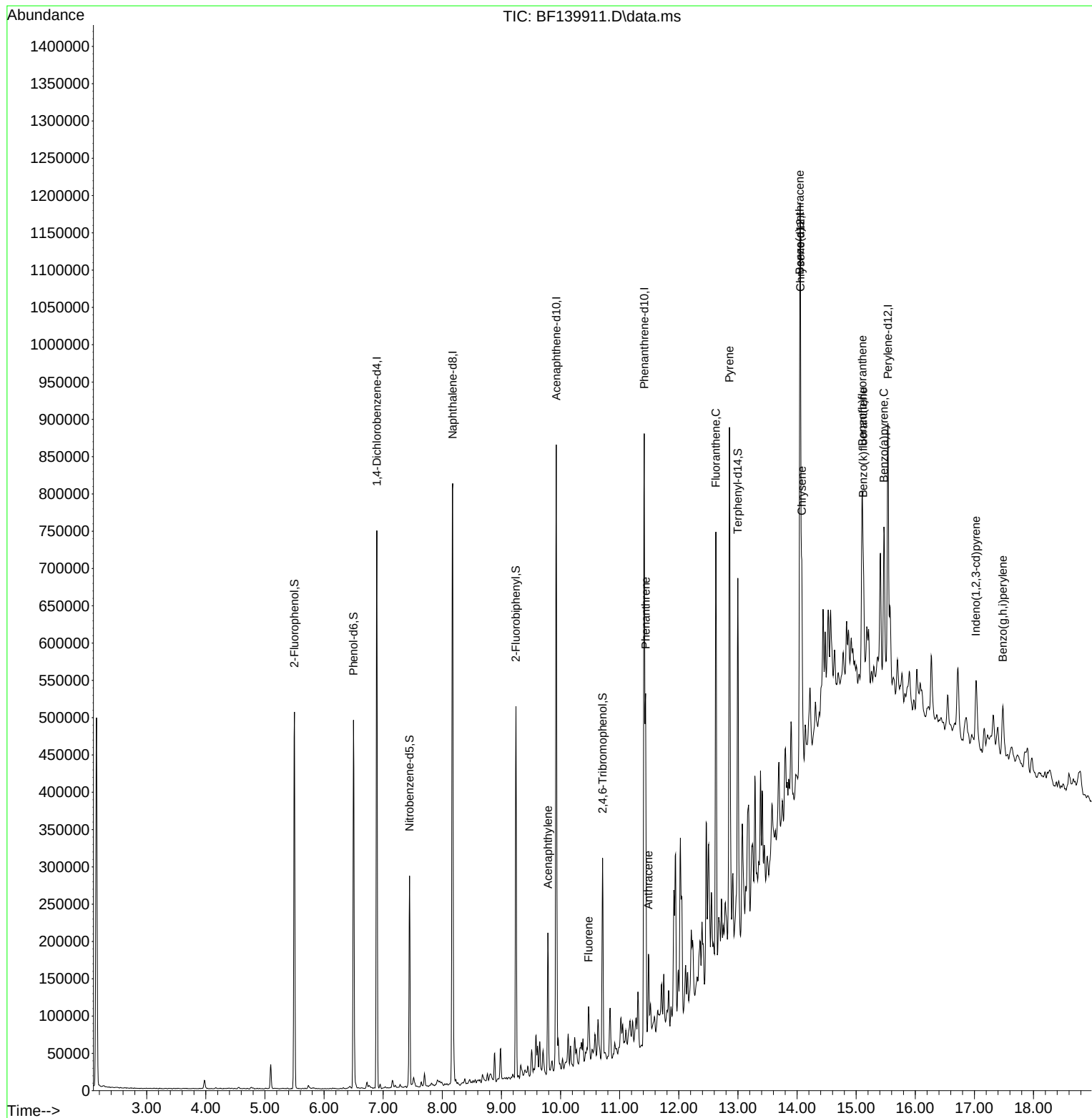
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139911.D
Acq On : 21 Oct 2024 19:06
Operator : RC/JU
Sample : P4406-01RE 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

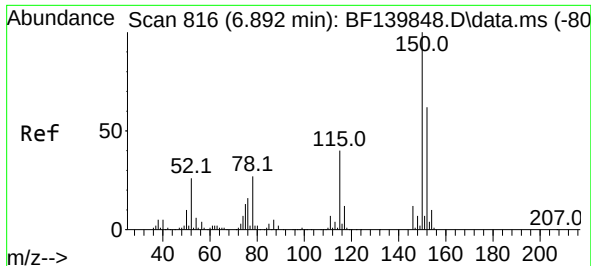
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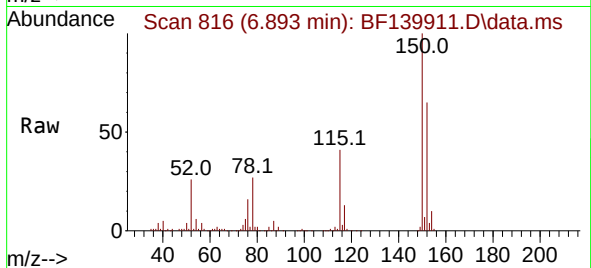
Quant Time: Oct 22 01:19:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

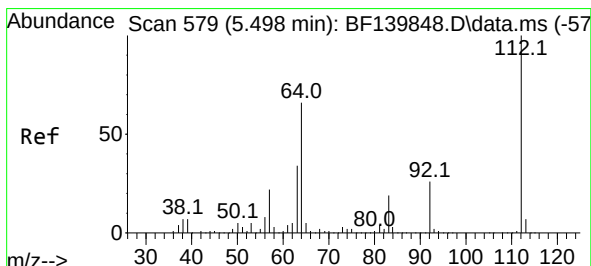
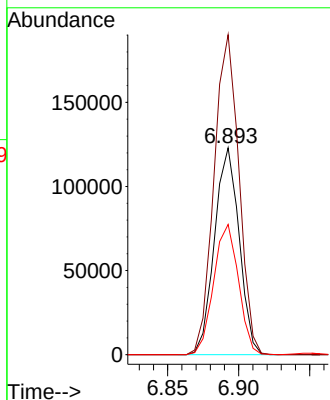
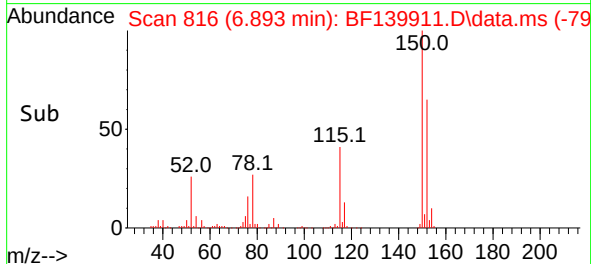
Instrument :
BNA_F
ClientSampleId :
OK-02-101524RE



Tgt Ion:152 Resp: 148140
Ion Ratio Lower Upper
152 100
150 154.7 130.2 195.2
115 63.0 51.4 77.2

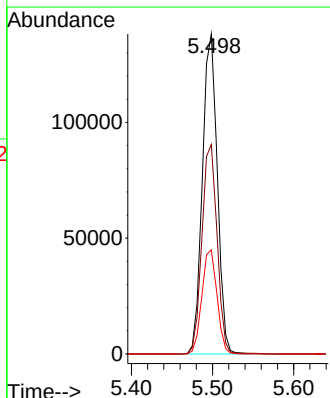
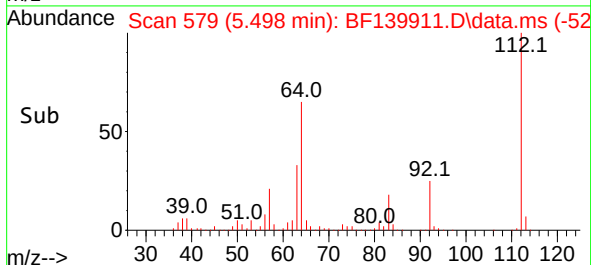
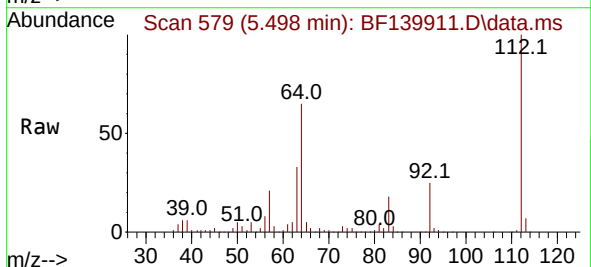
Manual Integrations
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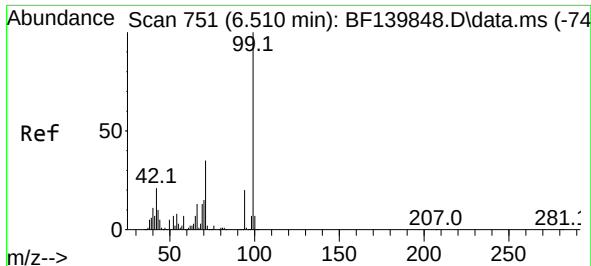
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#5
2-Fluorophenol
Concen: 18.652 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

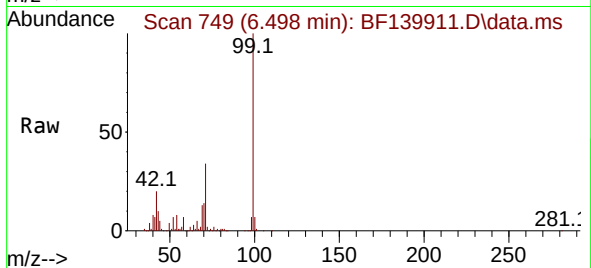
Tgt Ion:112 Resp: 176507
Ion Ratio Lower Upper
112 100
64 65.5 53.0 79.6
63 32.6 27.0 40.4





#7
Phenol-d6
Concen: 17.308 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

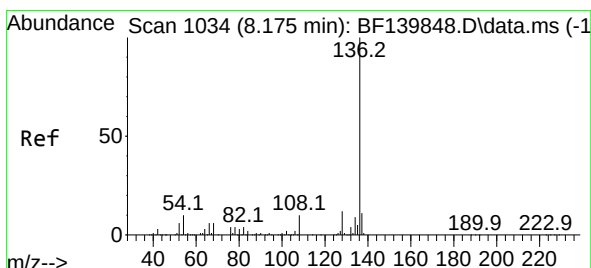
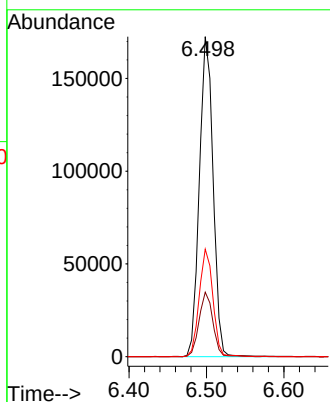
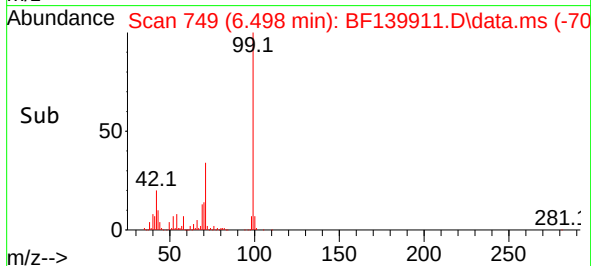
Instrument :
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ClientSampleId :
OK-02-101524RE



Tgt Ion: 99 Resp: 212139
Ion Ratio Lower Upper
99 100
42 20.1 16.7 25.1
71 33.6 27.7 41.5

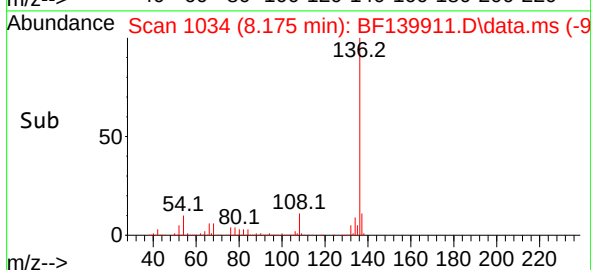
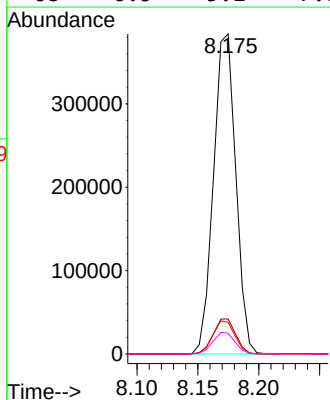
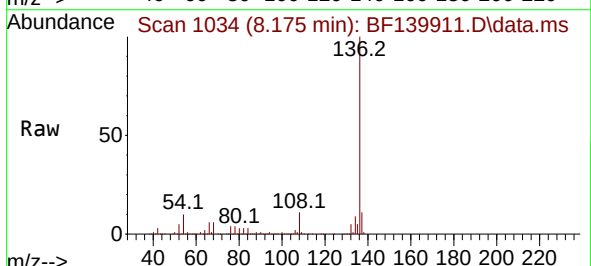
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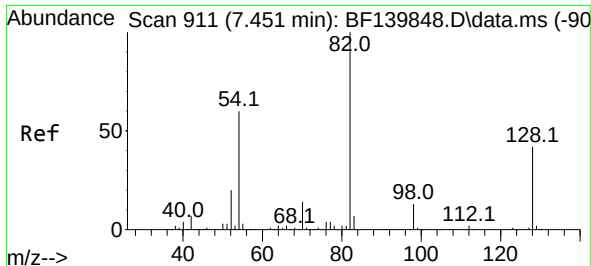
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Tgt Ion:136 Resp: 489177
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.9 8.4 12.6
68 6.5 5.1 7.7





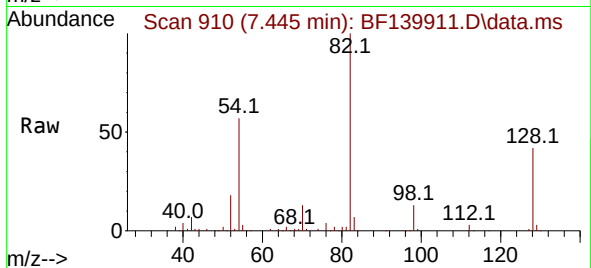
#23
Nitrobenzene-d5
Concen: 12.975 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OK-02-101524RE

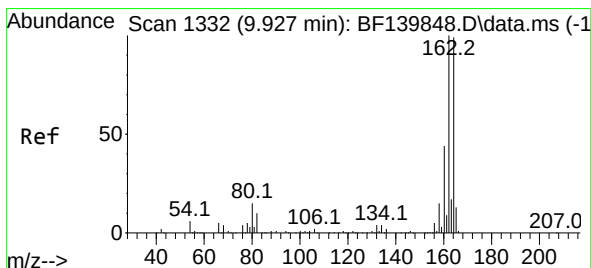
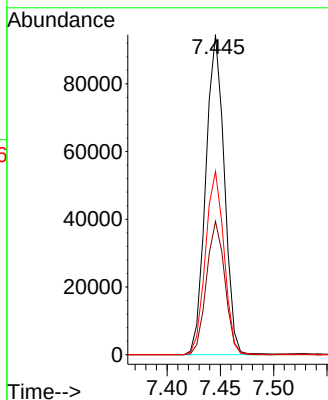
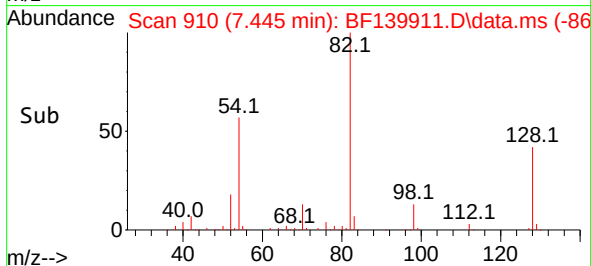


Tgt Ion: 82 Resp: 11452
Ion Ratio Lower Upper
82 100
128 41.6 33.4 50.0
54 57.3 47.8 71.8

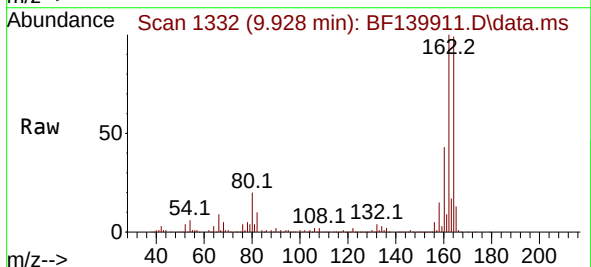
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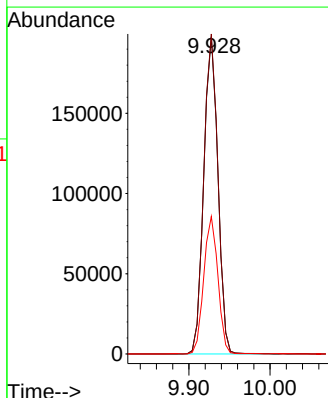
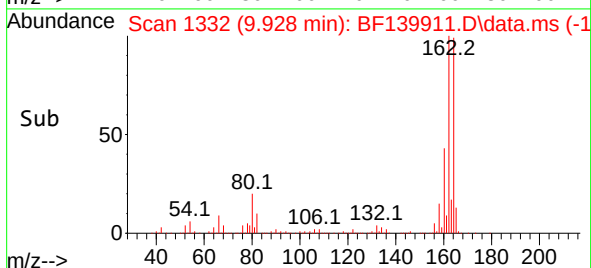
Reviewed By :Yogesh Patel 10/22/2024
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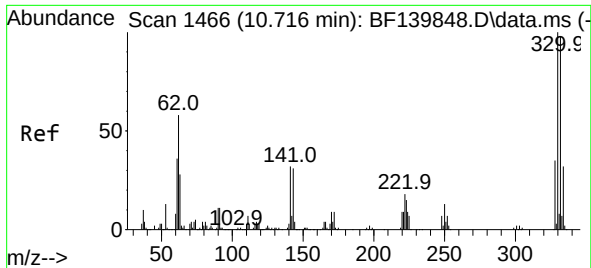


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06



Tgt Ion:164 Resp: 239002
Ion Ratio Lower Upper
164 100
162 100.9 81.0 121.4
160 43.3 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 17.223 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OK-02-101524RE

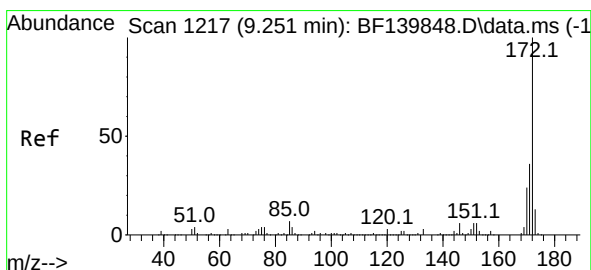
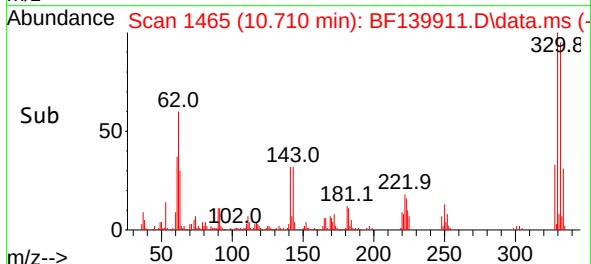
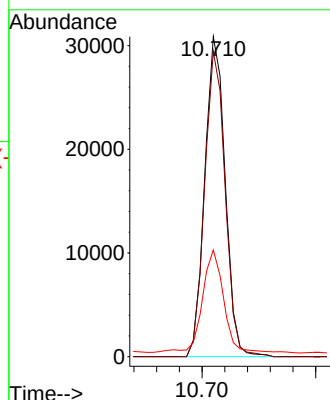
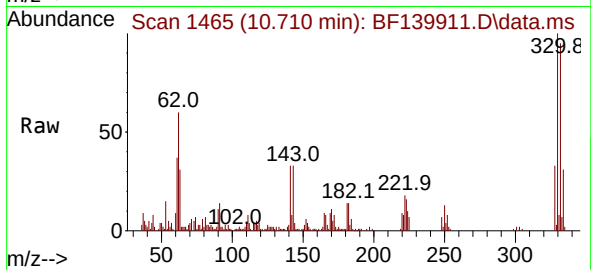
Tgt Ion: 330 Resp: 3850
Ion Ratio Lower Upper
330 100
332 95.7 78.1 117.1
141 34.2 26.6 39.8

Manual Integrations

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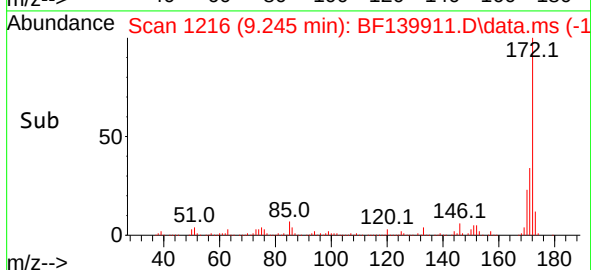
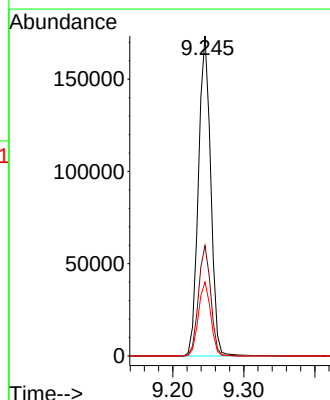
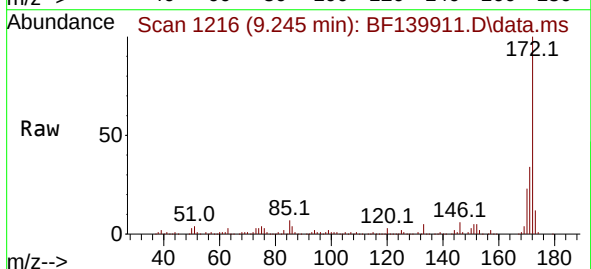
Reviewed By :Yogesh Patel 10/22/2024

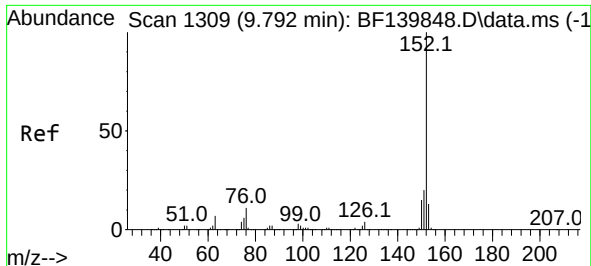
Supervised By :mohammad ahmed 10/23/2024



#45
2-Fluorobiphenyl
Concen: 14.443 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Tgt Ion: 172 Resp: 208861
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 23.1 19.1 28.7





#49

Acenaphthylene

Concen: 5.445 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OK-02-101524RE

Tgt Ion:152 Resp: 105480

Ion Ratio Lower Upper

152 100

151 19.7 15.9 23.9

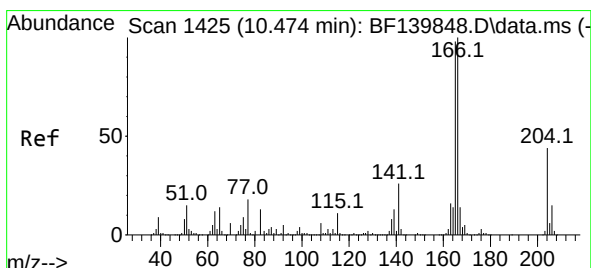
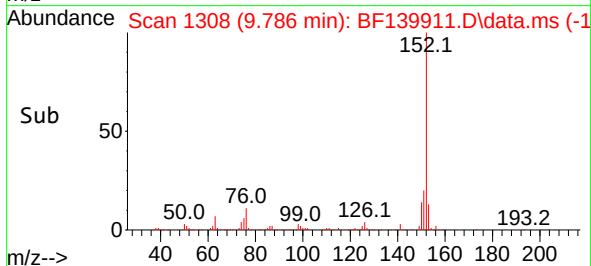
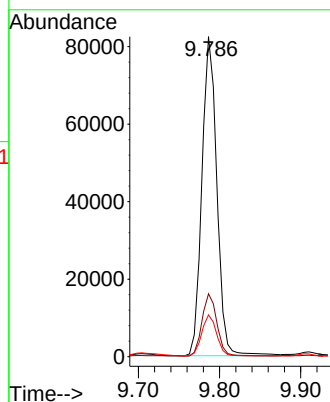
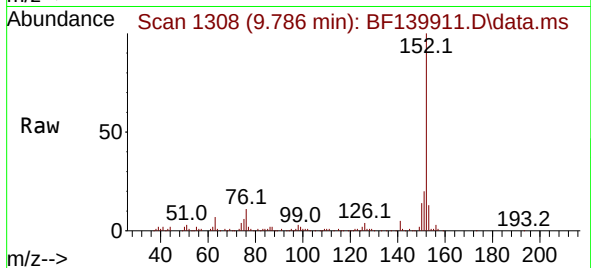
153 13.1 10.7 16.1

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#58

Fluorene

Concen: 2.576 ng

RT: 10.475 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

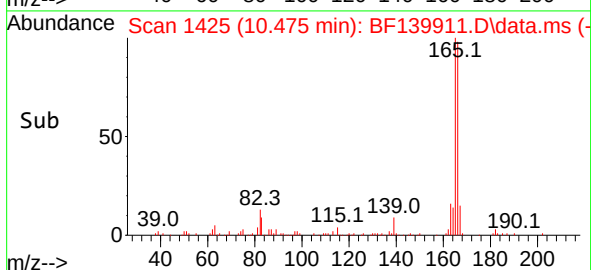
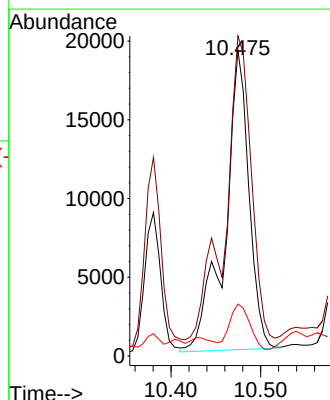
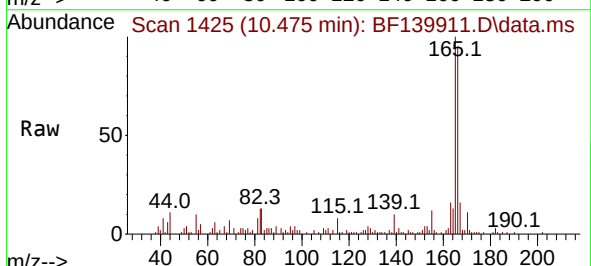
Tgt Ion:166 Resp: 35275

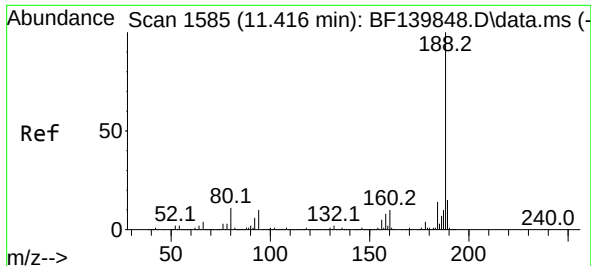
Ion Ratio Lower Upper

166 100

165 104.7 78.5 117.7

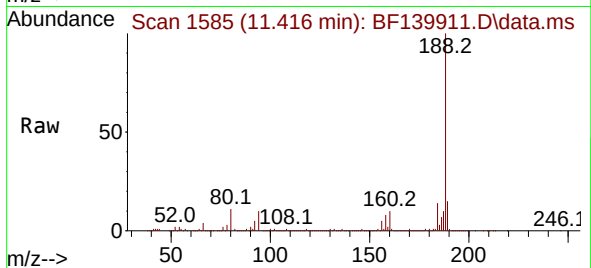
167 17.0 10.9 16.3#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

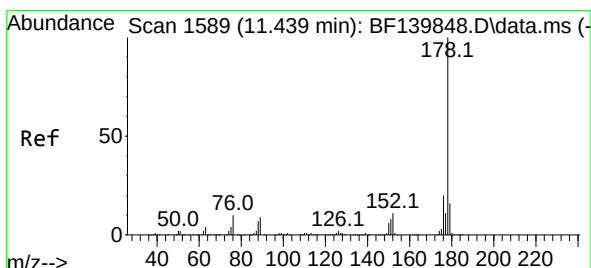
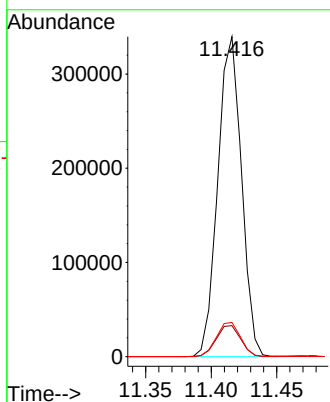
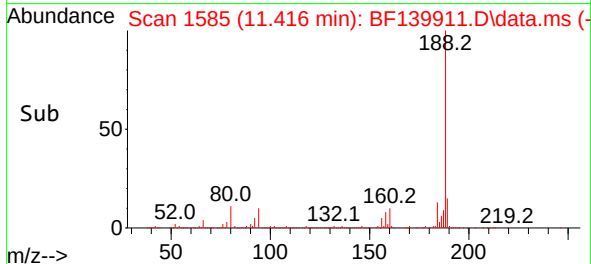
Instrument :
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OK-02-101524RE



Tgt Ion:188 Resp: 426372
Ion Ratio Lower Upper
188 100
94 9.7 7.9 11.9
80 10.7 9.0 13.4

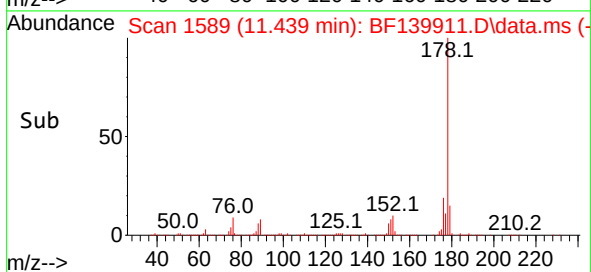
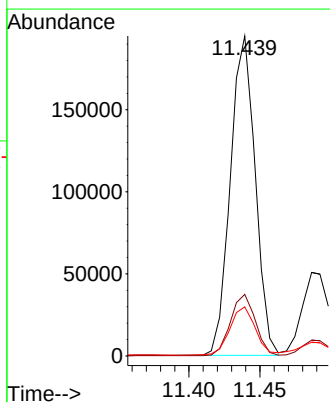
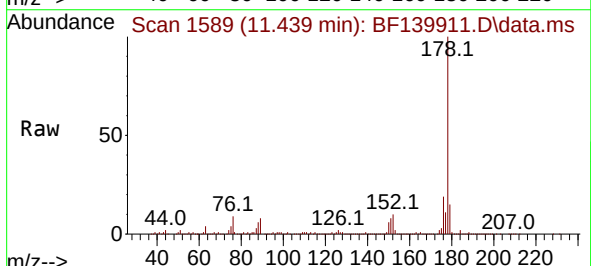
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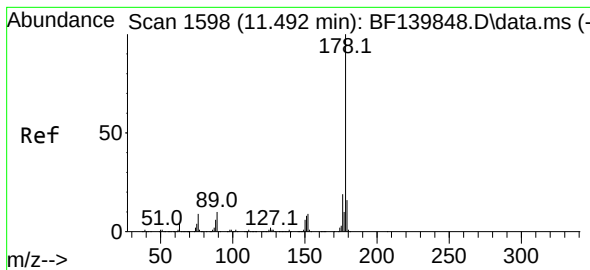
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#71
Phenanthrene
Concen: 11.790 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

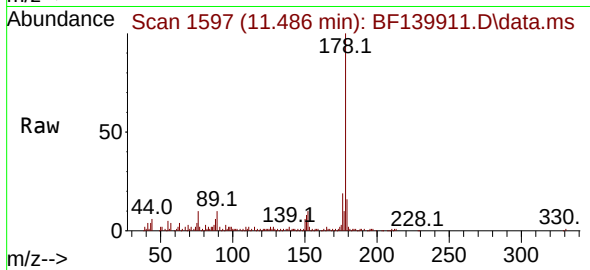
Tgt Ion:178 Resp: 237444
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.4 12.6 18.8





#72
 Anthracene
 Concen: 3.491 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF139911.D
 Acq: 21 Oct 2024 19:06

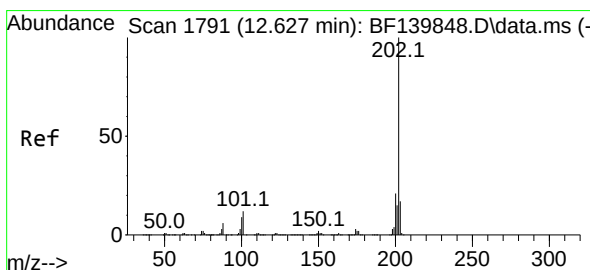
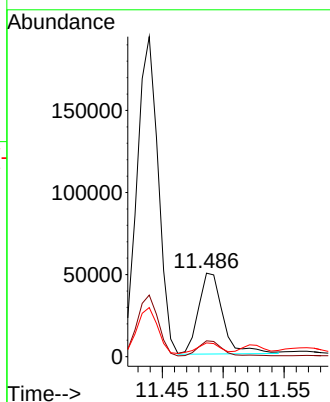
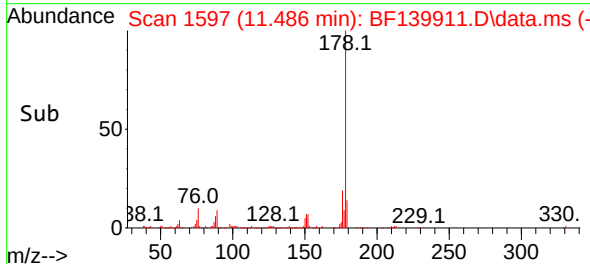
Instrument :
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 ClientSampleId :
 OK-02-101524RE



Tgt Ion:178 Resp: 68590
 Ion Ratio Lower Upper
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 176 19.0 15.3 22.9
 179 16.4 12.4 18.6

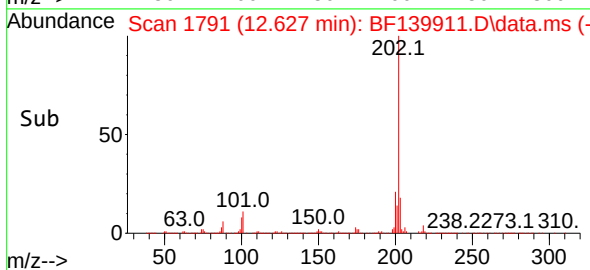
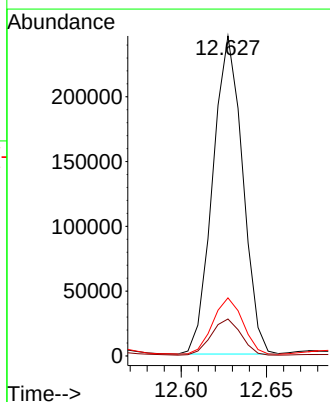
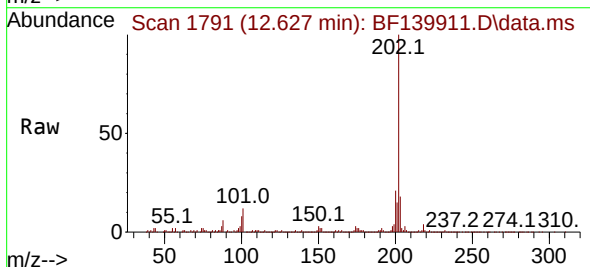
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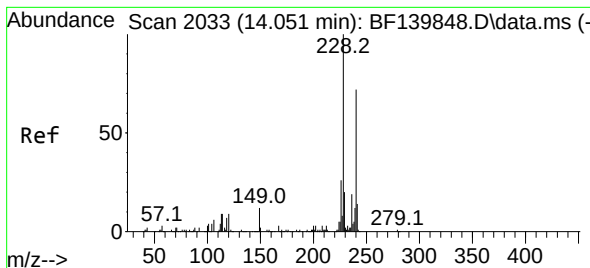
Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024



#75
 Fluoranthene
 Concen: 14.724 ng
 RT: 12.627 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: BF139911.D
 Acq: 21 Oct 2024 19:06

Tgt Ion:202 Resp: 299774
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 31.9
 203 18.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

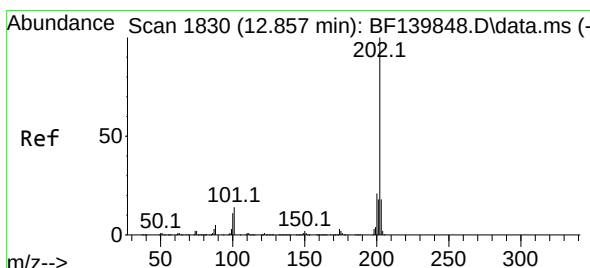
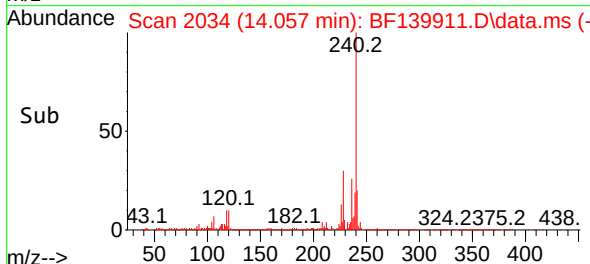
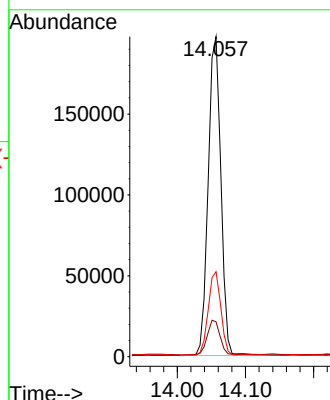
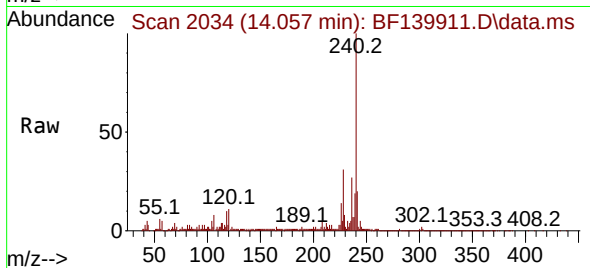
OK-02-101524RE

Tgt Ion:240 Resp: 255164
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.4 14.2
 236 26.6 20.9 31.3

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024



#78

Pyrene

Concen: 17.122 ng

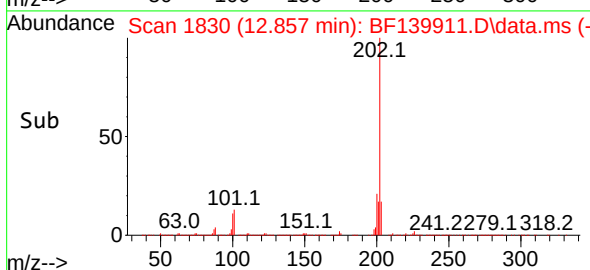
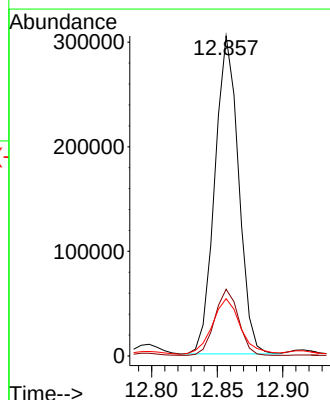
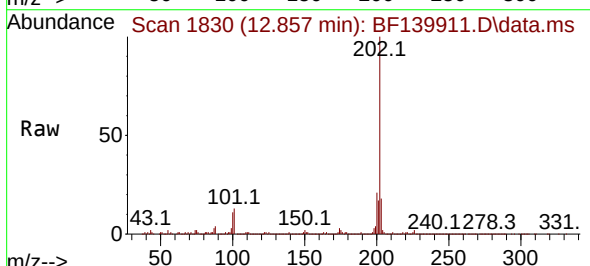
RT: 12.857 min Scan# 1830

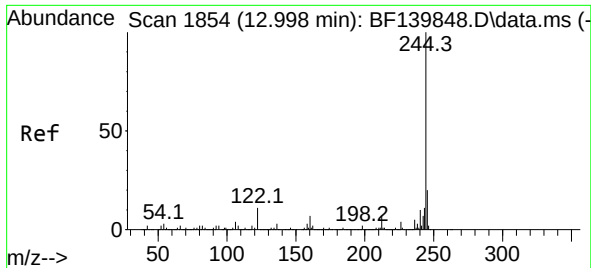
Delta R.T. 0.000 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Tgt Ion:202 Resp: 382428
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.2 25.8
 203 17.9 14.2 21.4





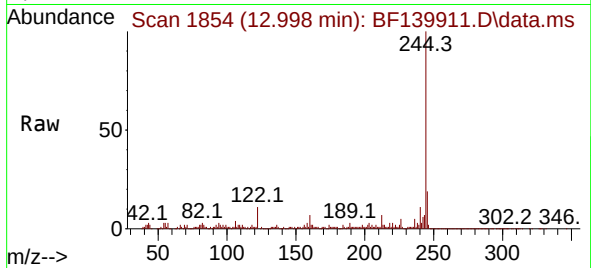
#79
 Terphenyl-d14
 Concen: 13.539 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF139911.D
 Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OK-02-101524RE

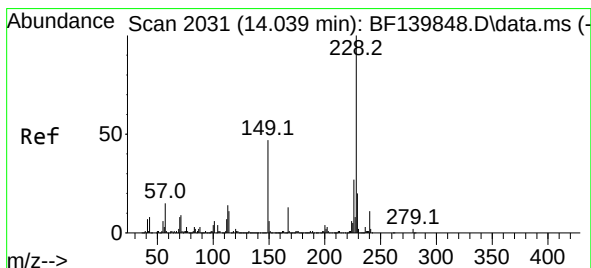
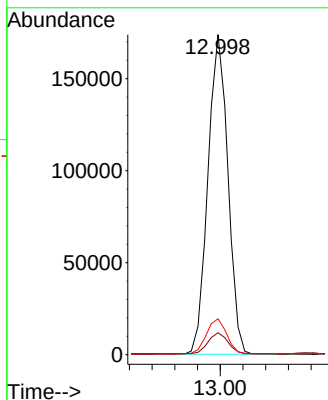
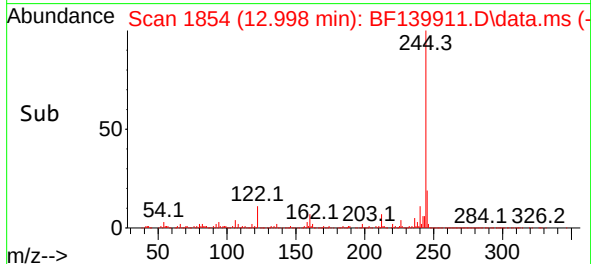


Tgt Ion:244 Resp: 212000
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 11.2 8.6 13.0

Manual Integrations

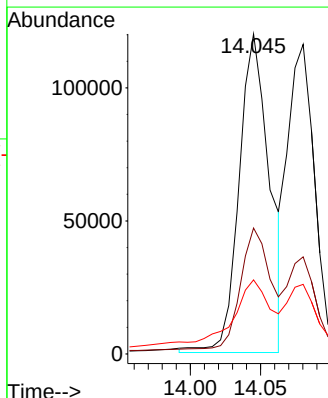
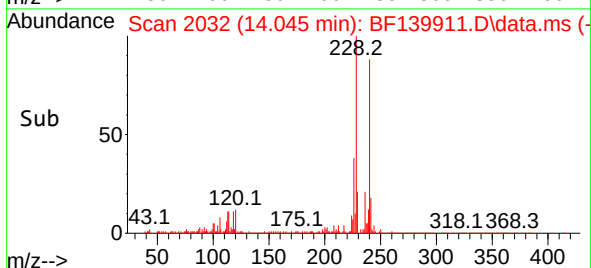
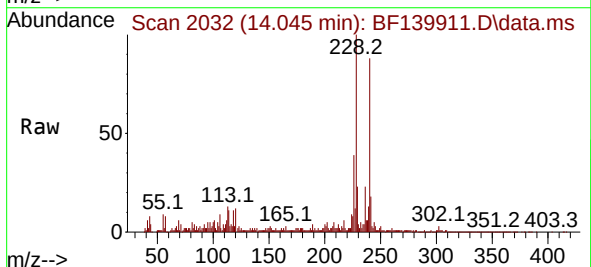
APPROVED

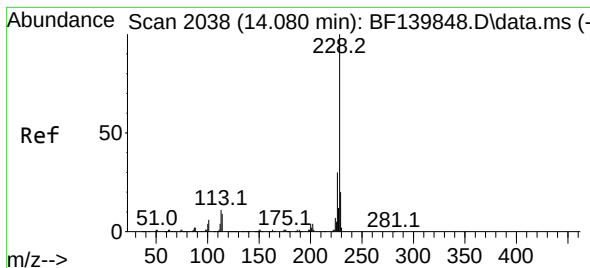
Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024



#81
 Benzo(a)anthracene
 Concen: 10.887 ng m
 RT: 14.045 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF139911.D
 Acq: 21 Oct 2024 19:06

Tgt Ion:228 Resp: 180830
 Ion Ratio Lower Upper
 228 100
 226 39.4 21.6 32.4#
 229 23.1 16.1 24.1





#83

Chrysene

Concen: 9.926 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OK-02-101524RE

Tgt Ion:228 Resp: 15117

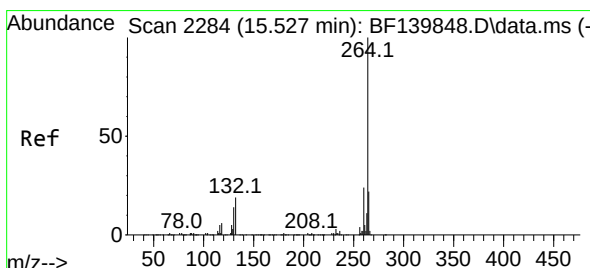
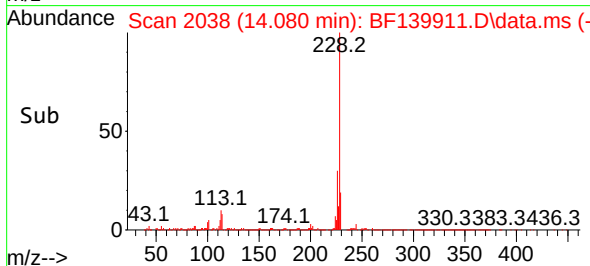
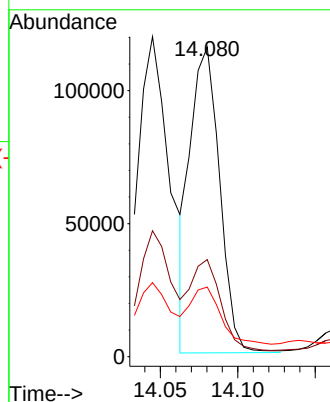
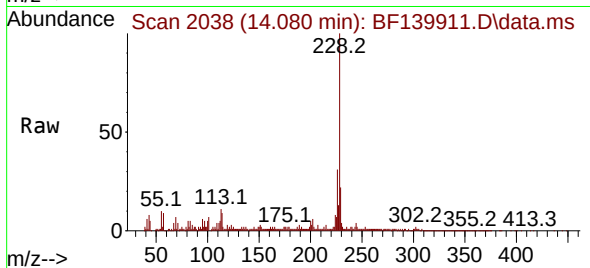
Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.1	36.1
229	22.5	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

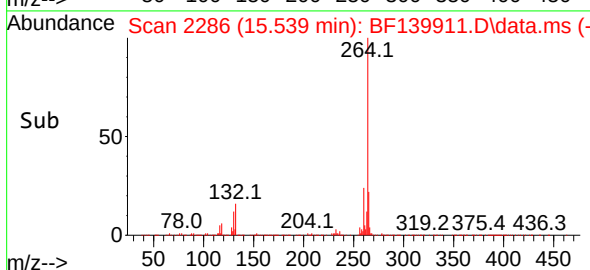
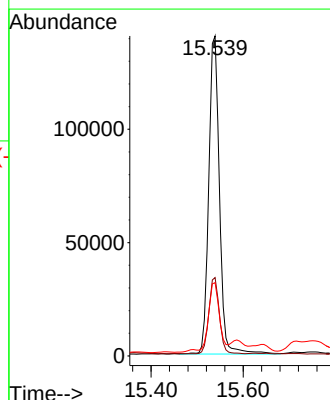
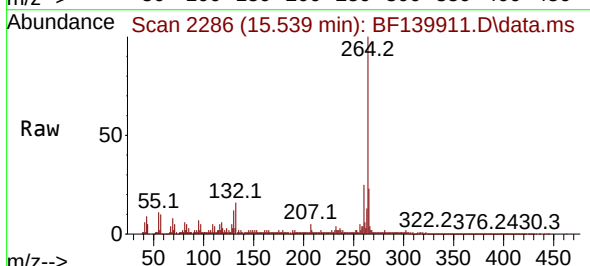
Delta R.T. 0.012 min

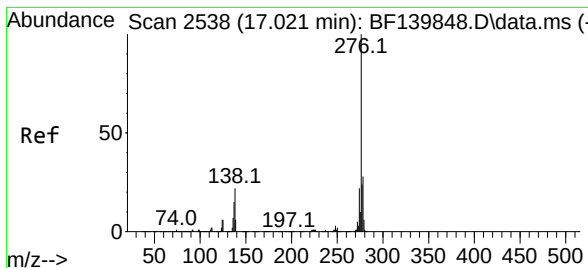
Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Tgt Ion:264 Resp: 227867

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.9	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.555 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OK-02-101524RE

Tgt Ion: 276 Resp: 66774

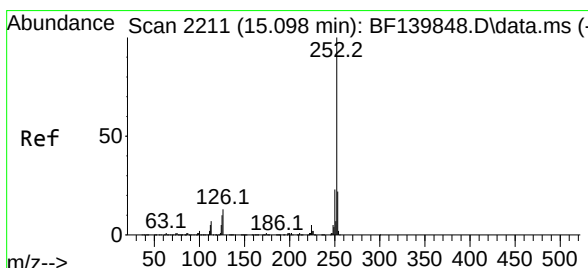
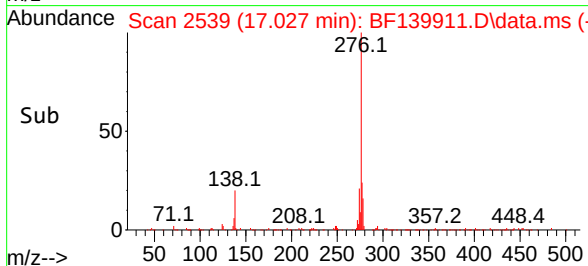
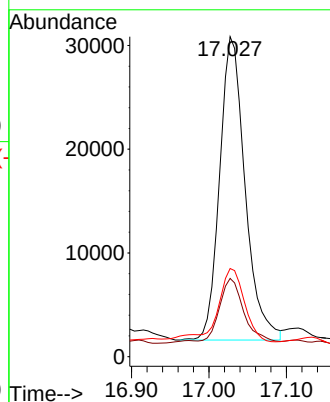
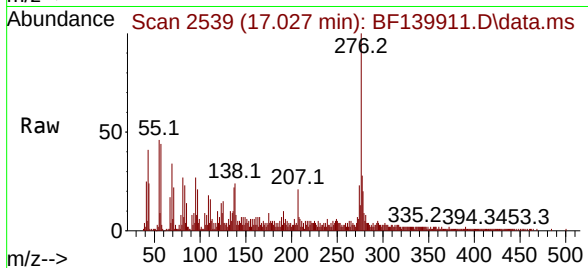
Ion	Ratio	Lower	Upper
276	100		
138	20.3	20.4	30.6
277	26.0	20.2	30.4

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 10/22/2024

Supervised By : mohammad ahmed 10/23/2024



#88

Benzo(b)fluoranthene

Concen: 11.411 ng m

RT: 15.104 min Scan# 2212

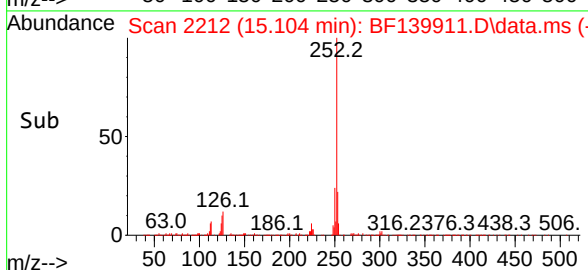
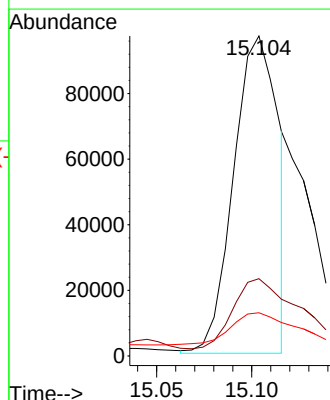
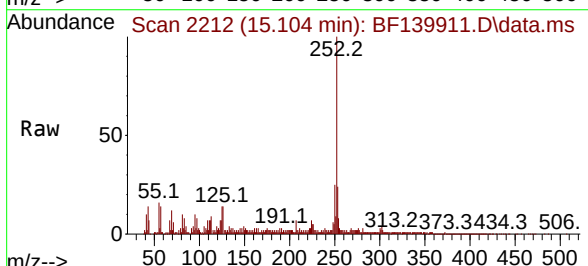
Delta R.T. 0.006 min

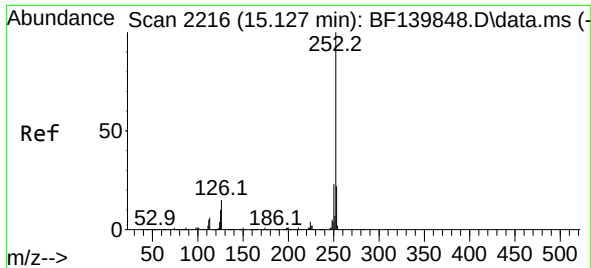
Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Tgt Ion: 252 Resp: 158393

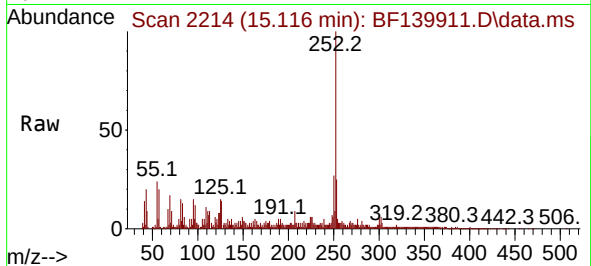
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.6	26.4
125	13.5	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 5.701 ng m
RT: 15.116 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

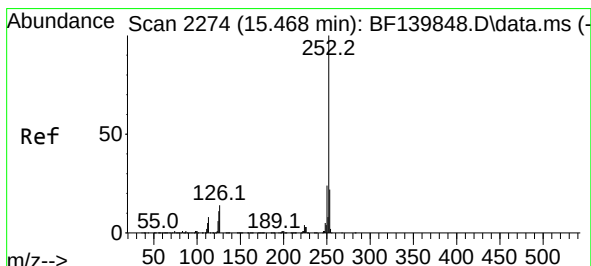
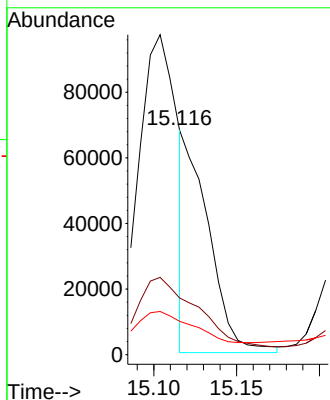
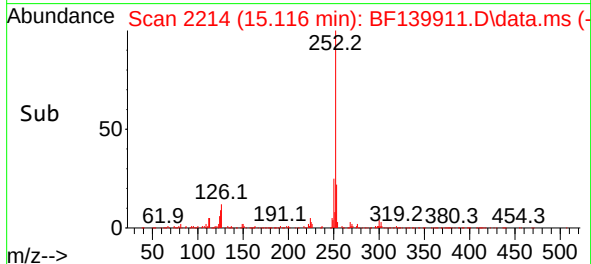
Instrument :
BNA_F
ClientSampleId :
OK-02-101524RE



Tgt Ion:252 Resp: 68240
Ion Ratio Lower Upper
252 100
253 25.3 17.6 26.4
125 14.9 7.9 11.9

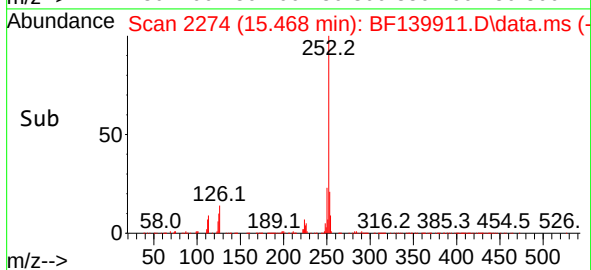
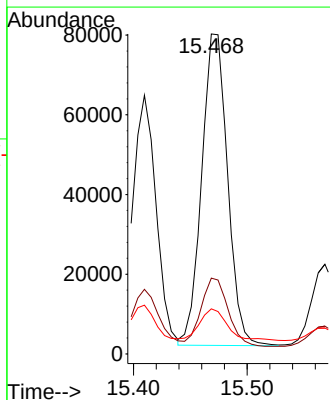
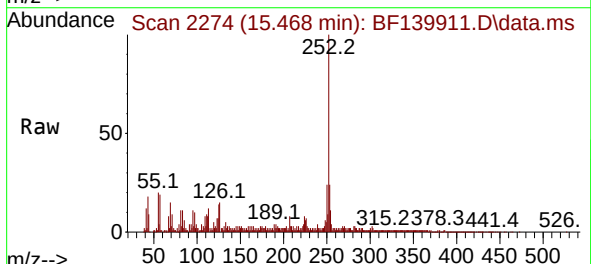
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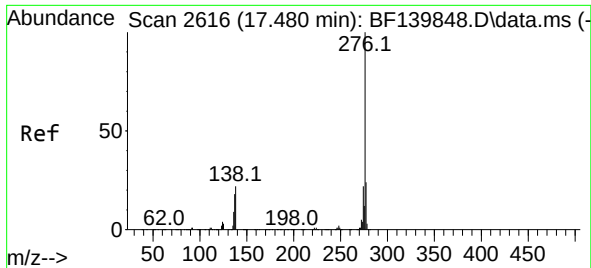
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#90
Benzo(a)pyrene
Concen: 10.853 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Tgt Ion:252 Resp: 123961
Ion Ratio Lower Upper
252 100
253 23.7 17.3 25.9
125 14.1 8.7 13.1





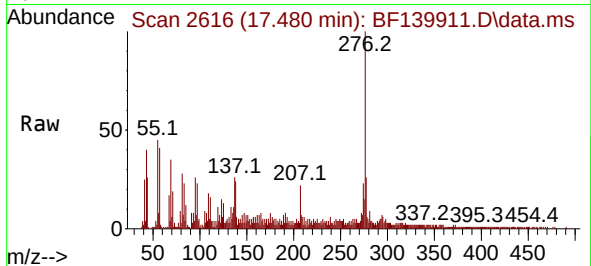
#92
Benzo(g,h,i)perylene
Concen: 5.922 ng
RT: 17.480 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OK-02-101524RE



Tgt Ion:276 Resp: 7233
Ion Ratio Lower Upper
276 100
277 26.0 19.0 28.6
138 24.3 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024

