

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100722\
 Data File : BF130593.D
 Acq On : 08 Oct 2022 01:11
 Operator : CG\JU
 Sample : N5047-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-100622

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/10/2022
 Supervised By : Jagrut Upadhyay 10/10/2022

Quant Time: Oct 10 01:47:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 07 02:06:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.610	152	58541	20.000	ng	0.00
21) Naphthalene-d8	7.892	136	201921	20.000	ng	-0.01
39) Acenaphthene-d10	9.645	164	98436	20.000	ng	0.00
64) Phenanthrene-d10	11.122	188	189711	20.000	ng	-0.01
76) Chrysene-d12	13.757	240	166591	20.000	ng	0.00
86) Perylene-d12	15.139	264	116865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.210	112	310396	91.965	ng	0.00
7) Phenol-d6	6.257	99	352143	83.385	ng	-0.01
23) Nitrobenzene-d5	7.181	82	216077	54.670	ng	-0.01
42) 2,4,6-Tribromophenol	10.433	330	98833	104.784	ng	0.00
45) 2-Fluorobiphenyl	8.969	172	353793	52.338	ng	-0.01
79) Terphenyl-d14	12.710	244	443940	44.143	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.916	128	25405	2.442	ng	97
49) Acenaphthylene	9.504	152	26911	3.018	ng	94
52) Acenaphthene	9.675	154	26108	4.456	ng	98
55) Dibenzofuran	9.845	168	28905	3.547	ng	95
58) Fluorene	10.186	166	44447	6.669	ng	99
71) Phenanthrene	11.151	178	420865	39.514	ng	99
72) Anthracene	11.198	178	129778	12.626	ng	99
73) Carbazole	11.363	167	28396	3.061	ng	98
75) Fluoranthene	12.339	202	866136	84.155	ng	97
78) Pyrene	12.563	202	840691	57.686	ng	100
81) Benzo(a)anthracene	13.751	228	390396	35.227	ng	98
83) Chrysene	13.786	228	333510	31.694	ng	98
87) Indeno(1,2,3-cd)pyrene	16.445	276	134250	16.199	ng	96
88) Benzo(b)fluoranthene	14.757	252	352224m	46.177	ng	
89) Benzo(k)fluoranthene	14.780	252	107308m	14.301	ng	
90) Benzo(a)pyrene	15.086	252	233178	38.587	ng	98
91) Dibenzo(a,h)anthracene	16.451	278	36276m	5.336	ng	
92) Benzo(g,h,i)perylene	16.839	276	128592	18.777	ng	99

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

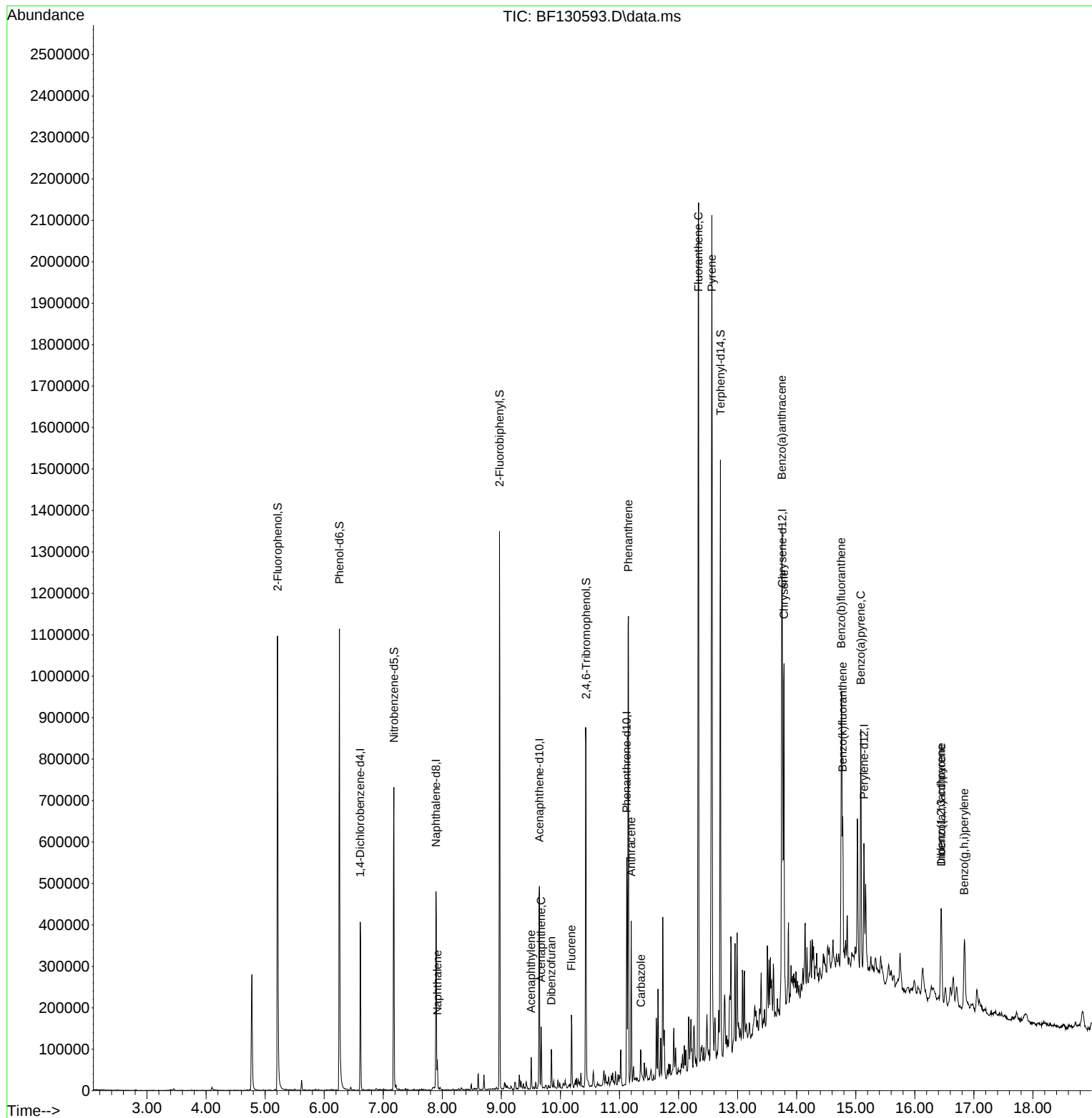
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100722\
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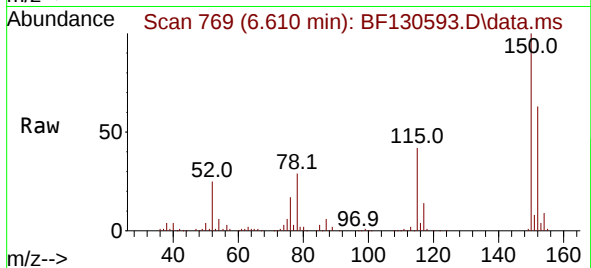
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.610 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

Instrument :

BNA_F

ClientSampleId :

OR-3-100622

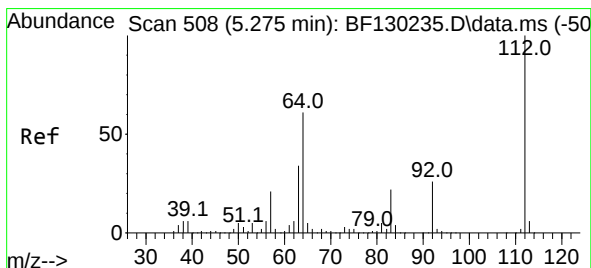
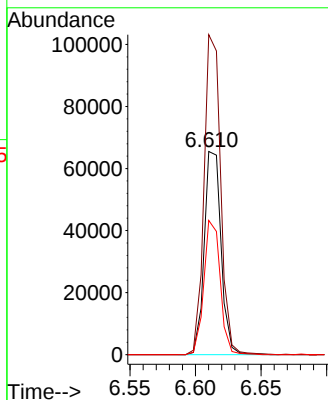
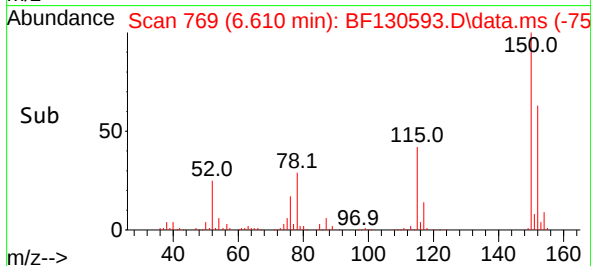


Tgt Ion:152 Resp: 5854
Ion Ratio Lower Upper
152 100
150 157.5 122.8 184.2
115 66.1 53.8 80.8

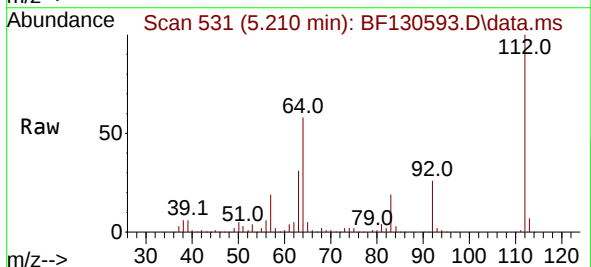
Manual Integrations

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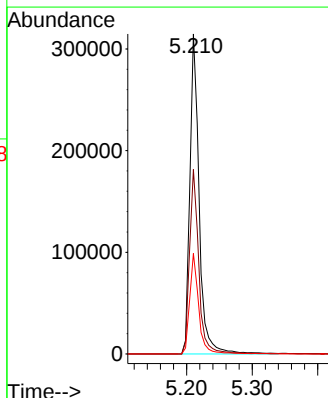
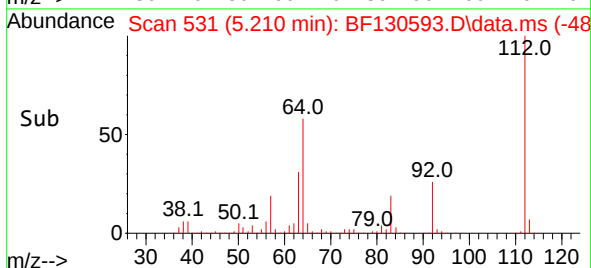
Reviewed By :Christian Giraldo 10/10/2022
Supervised By :Jagrut Upadhyay 10/10/2022

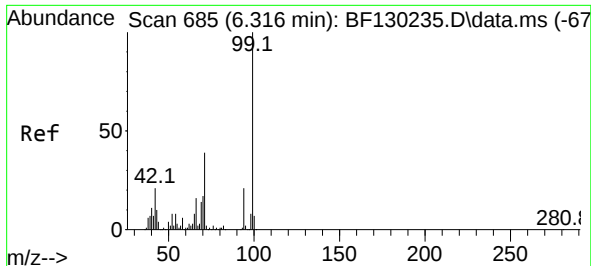


#5
2-Fluorophenol
Concen: 91.965 ng
RT: 5.210 min Scan# 531
Delta R.T. -0.006 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11



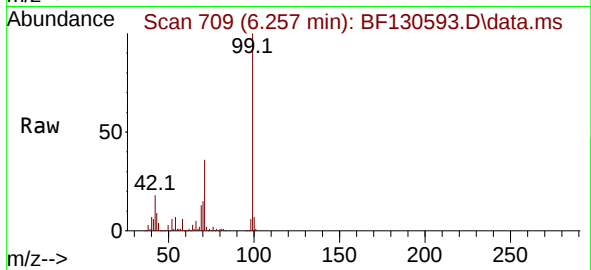
Tgt Ion:112 Resp: 310396
Ion Ratio Lower Upper
112 100
64 57.7 51.4 77.0
63 31.4 28.8 43.2





#7
Phenol-d6
Concen: 83.385 ng
RT: 6.257 min Scan# 709
Delta R.T. -0.012 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

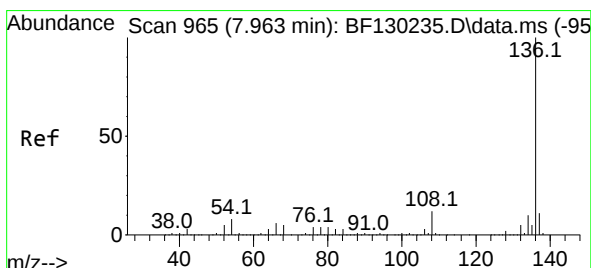
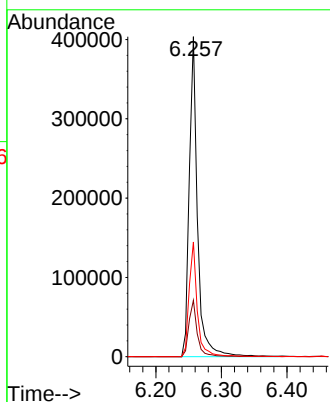
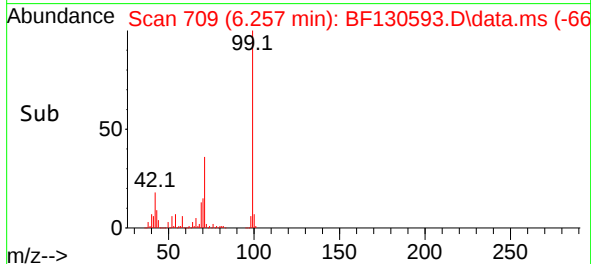
Instrument :
BNA_F
ClientSampleId :
OR-3-100622



Tgt Ion: 99 Resp: 35214
Ion Ratio Lower Upper
99 100
42 17.6 17.0 25.6
71 35.9 32.3 48.5

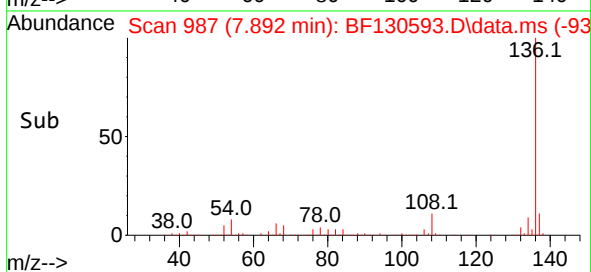
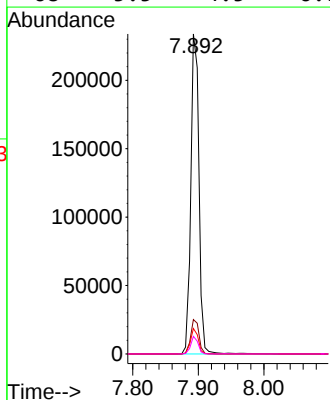
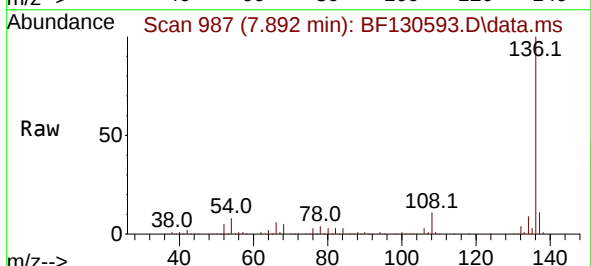
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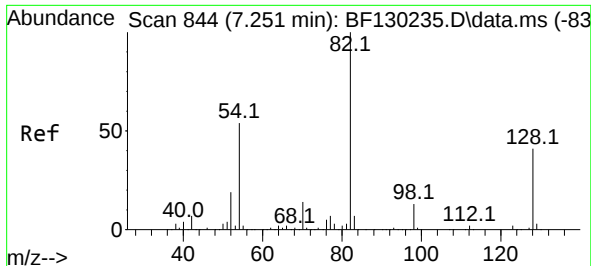
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Supervised By :Jagrut Upadhyay 10/10/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.892 min Scan# 987
Delta R.T. -0.012 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

Tgt Ion:136 Resp: 201921
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 7.9 7.1 10.7
68 5.5 4.5 6.7





#23

Nitrobenzene-d5

Concen: 54.670 ng

RT: 7.181 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF130593.D

Acq: 08 Oct 2022 01:11

Instrument :

BNA_F

ClientSampleId :

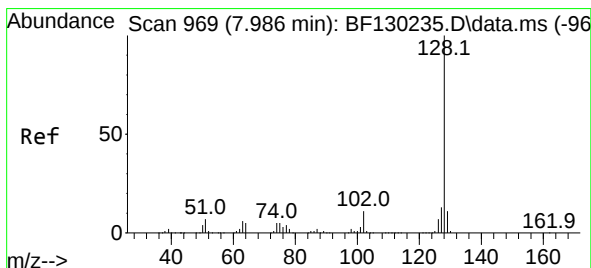
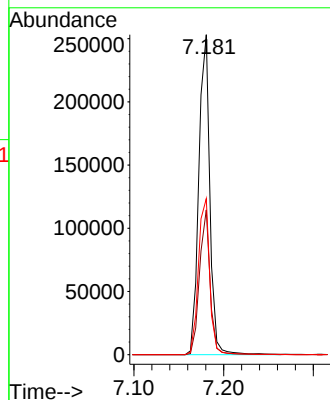
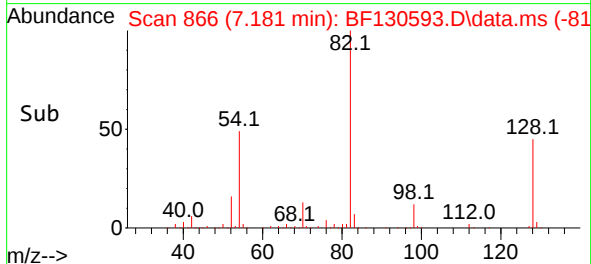
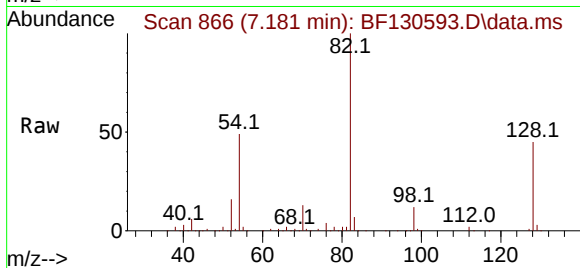
OR-3-100622

Tgt Ion: 82 Resp: 21607
 Ion Ratio Lower Upper
 82 100
 128 45.3 32.6 49.0
 54 48.7 43.8 65.6

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#31

Naphthalene

Concen: 2.442 ng

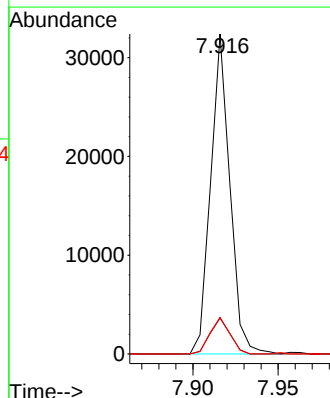
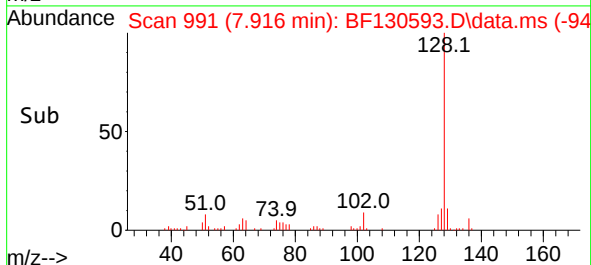
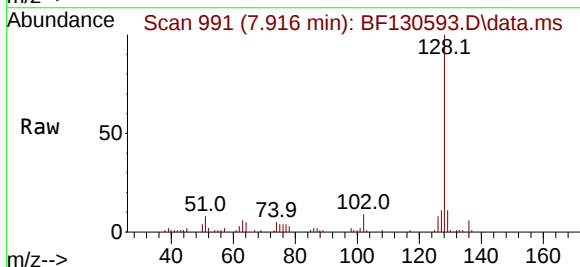
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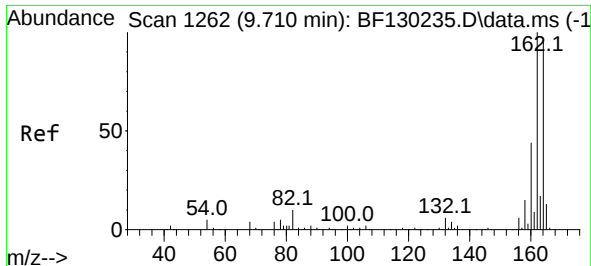
Delta R.T. -0.012 min

Lab File: BF130593.D

Acq: 08 Oct 2022 01:11

Tgt Ion:128 Resp: 25405
 Ion Ratio Lower Upper
 128 100
 129 11.2 9.1 13.7
 127 11.5 10.6 16.0





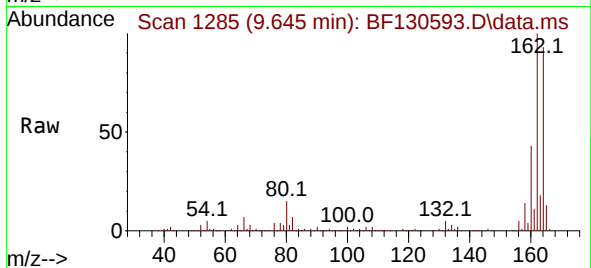
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.645 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

Instrument :

BNA_F

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OR-3-100622

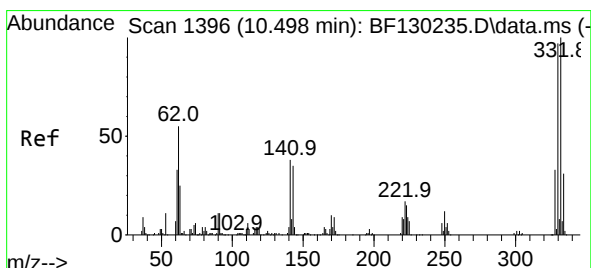
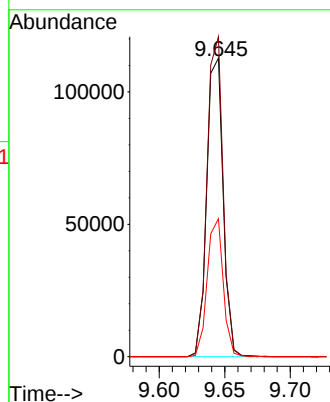
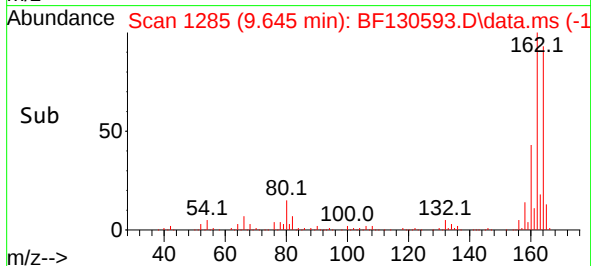


Tgt Ion:164 Resp: 98430
Ion Ratio Lower Upper
164 100
162 107.2 81.4 122.0
160 46.2 36.2 54.4

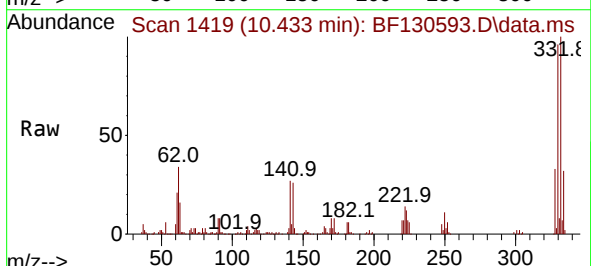
Manual Integrations

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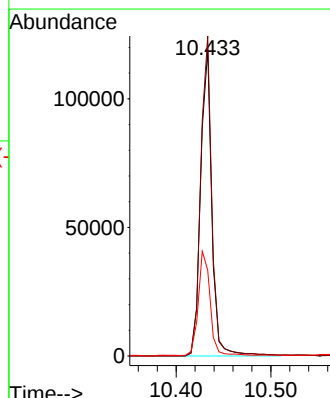
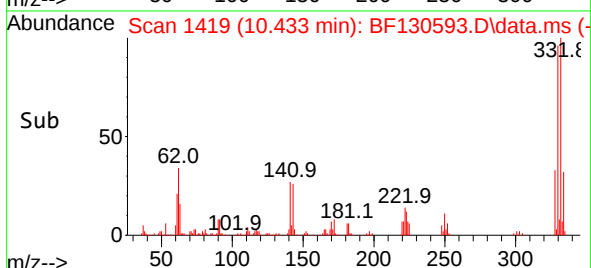
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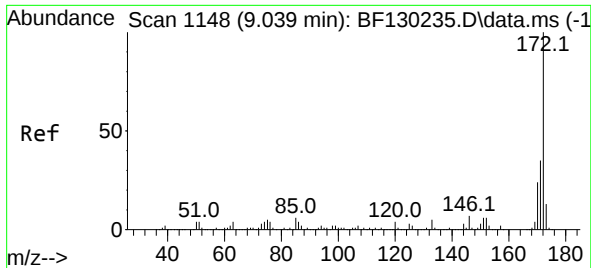


#42
2,4,6-Tribromophenol
Concen: 104.784 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11



Tgt Ion:330 Resp: 98833
Ion Ratio Lower Upper
330 100
332 105.1 83.4 125.2
141 36.1 34.0 51.0





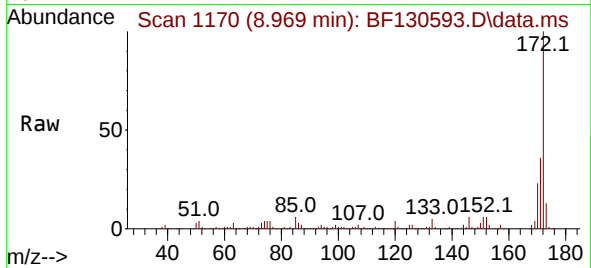
#45
2-Fluorobiphenyl
Concen: 52.338 ng
RT: 8.969 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

Instrument :

BNA_F

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OR-3-100622

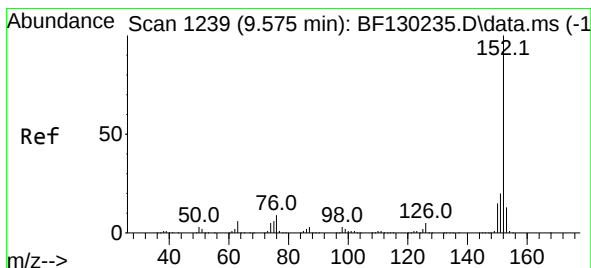
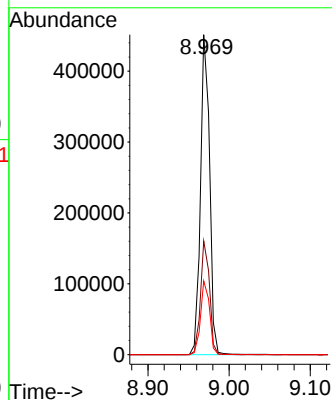
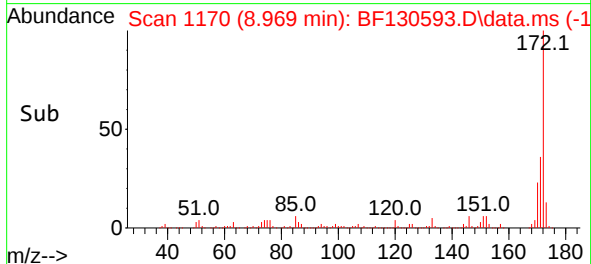


Tgt Ion:172 Resp: 35379
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.0 18.7 28.1

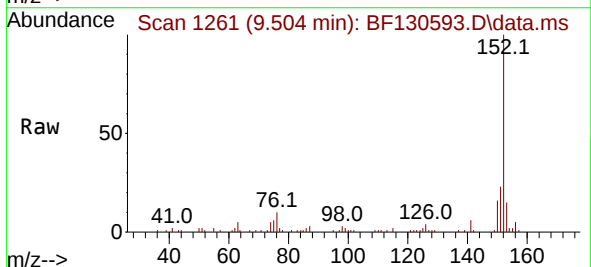
Manual Integrations

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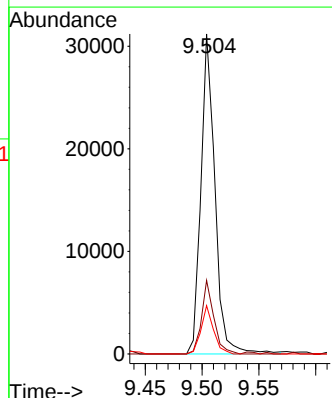
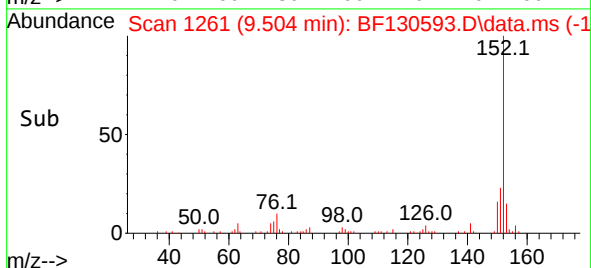
Reviewed By :Christian Giraldo 10/10/2022
Supervised By :Jagrut Upadhyay 10/10/2022

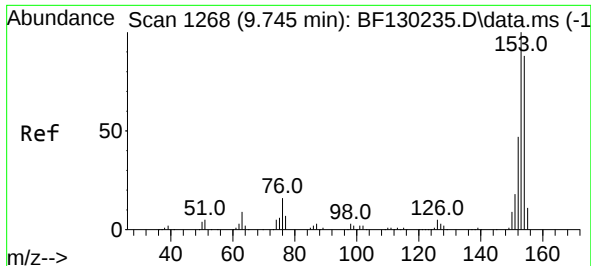


#49
Acenaphthylene
Concen: 3.018 ng
RT: 9.504 min Scan# 1261
Delta R.T. -0.012 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11



Tgt Ion:152 Resp: 26911
Ion Ratio Lower Upper
152 100
151 23.0 16.2 24.2
153 15.1 10.6 15.8





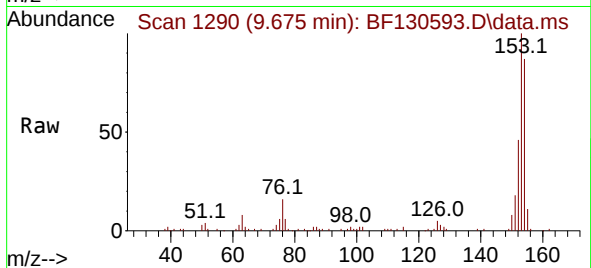
#52
Acenaphthene
Concen: 4.456 ng
RT: 9.675 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

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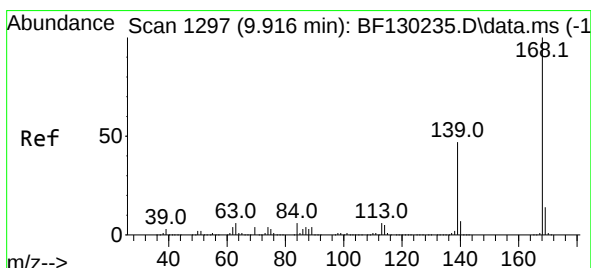
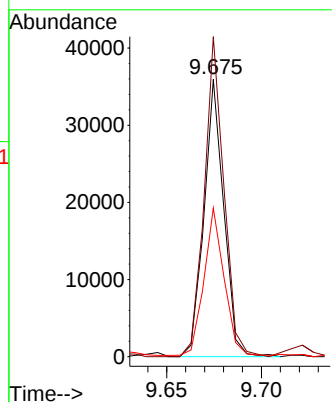
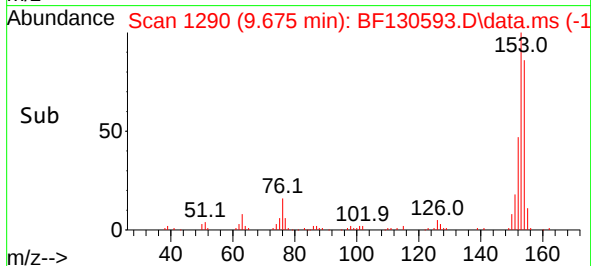
Tgt Ion:154 Resp: 26108
Ion Ratio Lower Upper
154 100
153 115.4 90.6 136.0
152 53.6 43.8 65.6

Manual Integrations

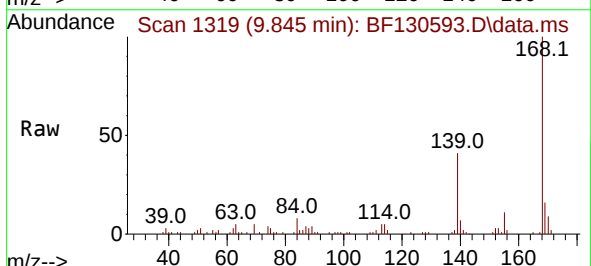
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Reviewed By :Christian Giraldo 10/10/2022

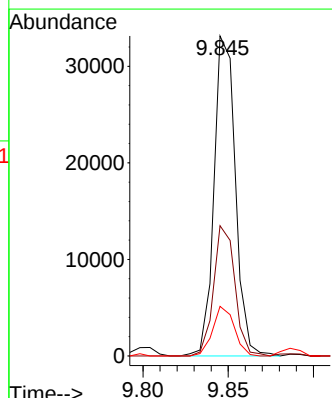
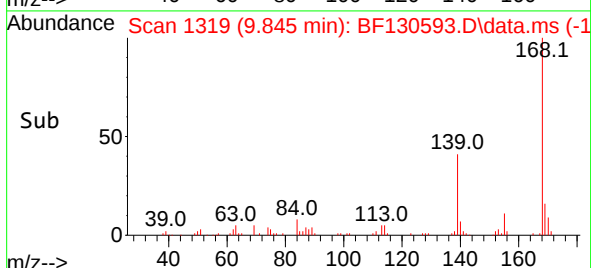
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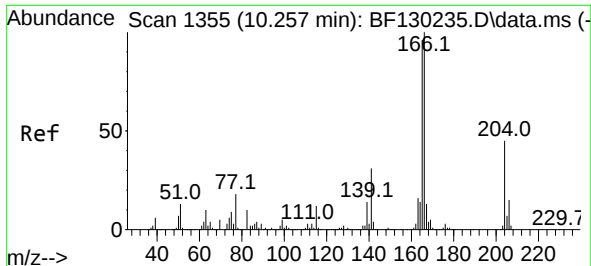


#55
Dibenzofuran
Concen: 3.547 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11



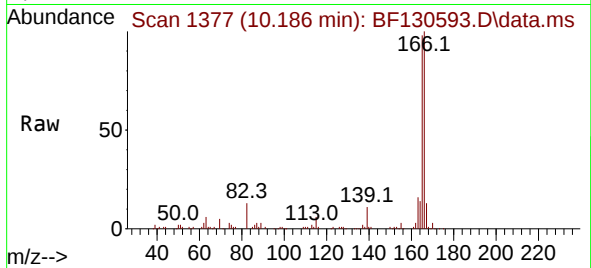
Tgt Ion:168 Resp: 28905
Ion Ratio Lower Upper
168 100
139 40.7 35.0 52.4
169 15.5 10.9 16.3





#58
Fluorene
Concen: 6.669 ng
RT: 10.186 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

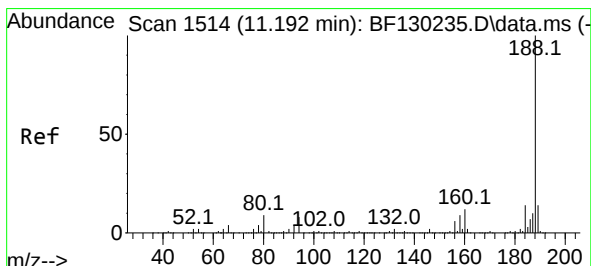
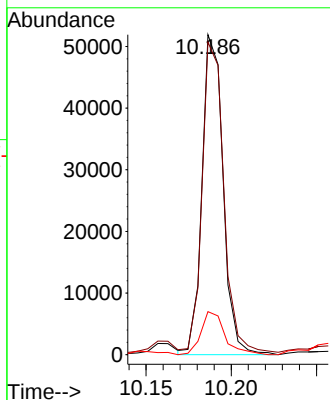
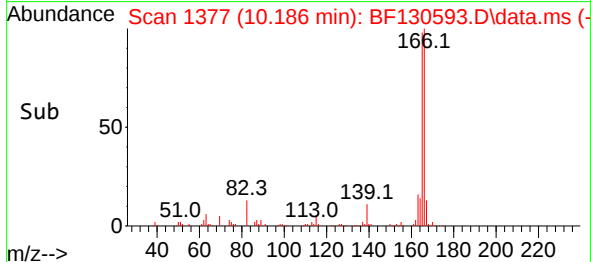
Instrument :
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ClientSampleId :
OR-3-100622



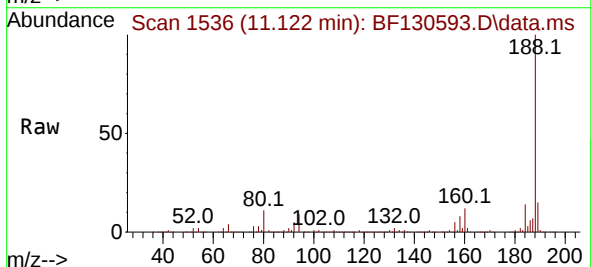
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Ion Ratio Lower Upper
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165 97.6 78.8 118.2
167 13.5 10.6 15.8

Manual Integrations
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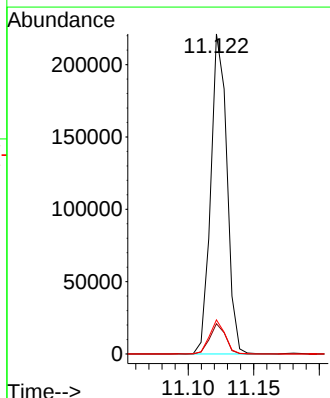
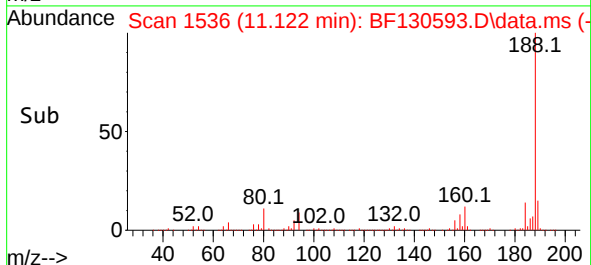
Reviewed By :Christian Giraldo 10/10/2022
Supervised By :Jagrut Upadhyay 10/10/2022

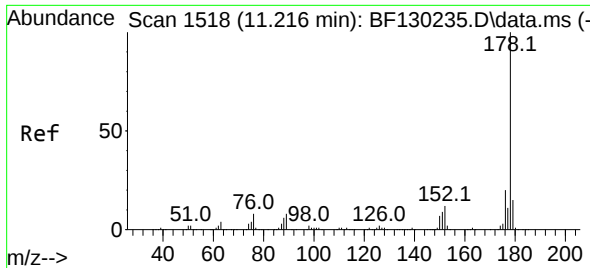


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.122 min Scan# 1536
Delta R.T. -0.012 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11



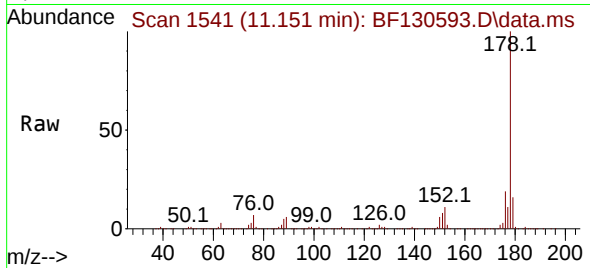
Tgt Ion:188 Resp: 189711
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.7 7.9 11.9





#71
Phenanthrene
Concen: 39.514 ng
RT: 11.151 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

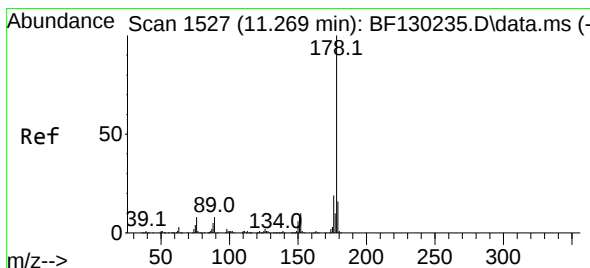
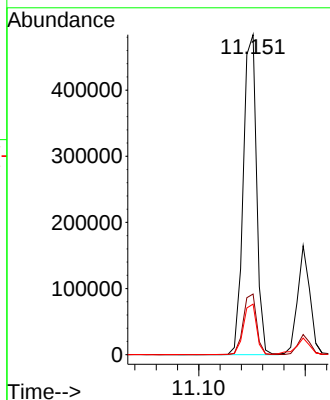
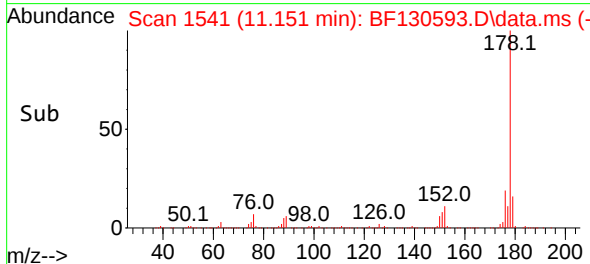
Instrument :
BNA_F
ClientSampleId :
OR-3-100622



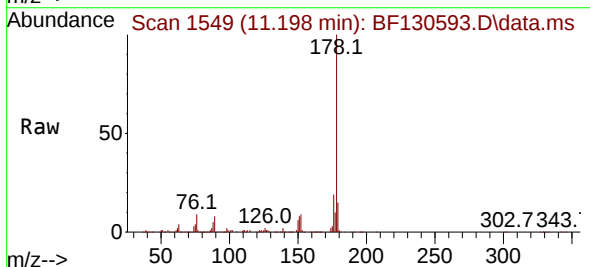
Tgt Ion:178 Resp: 42086
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.8 12.4 18.6

Manual Integrations
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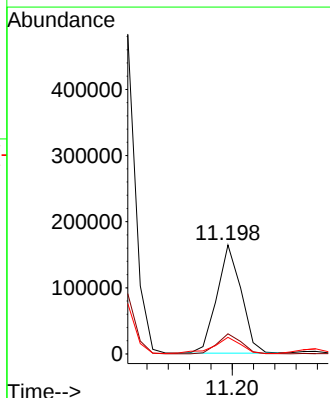
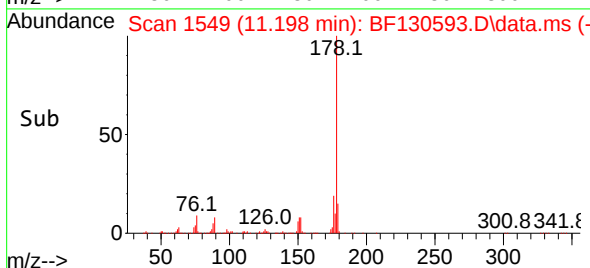
Reviewed By :Christian Giraldo 10/10/2022
Supervised By :Jagrut Upadhyay 10/10/2022

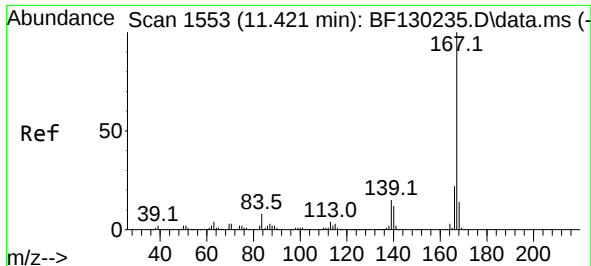


#72
Anthracene
Concen: 12.626 ng
RT: 11.198 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11



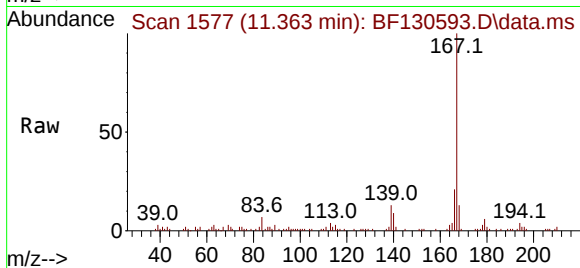
Tgt Ion:178 Resp: 129778
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.3 12.7 19.1





#73
 Carbazole
 Concen: 3.061 ng
 RT: 11.363 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF130593.D
 Acq: 08 Oct 2022 01:11

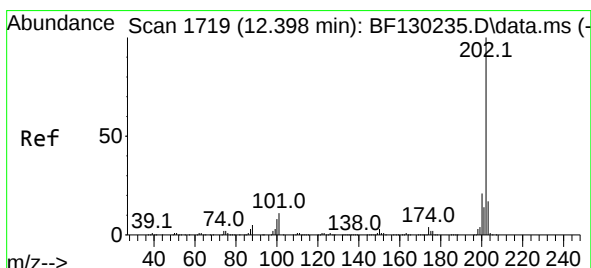
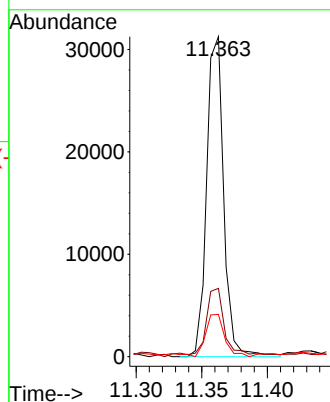
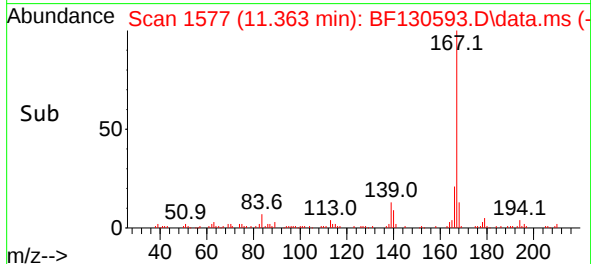
Instrument :
 BNA_F
 ClientSampleId :
 OR-3-100622



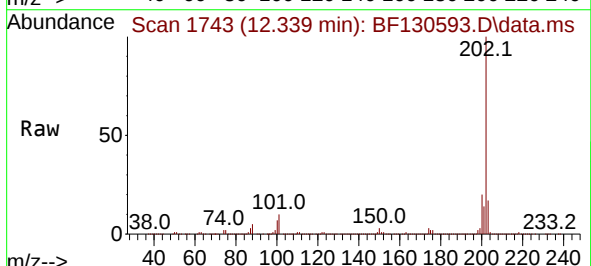
Tgt Ion:167 Resp: 28390
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.4 26.2
 139 13.2 11.6 17.4

Manual Integrations
 APPROVED

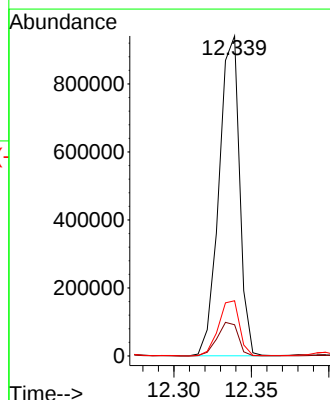
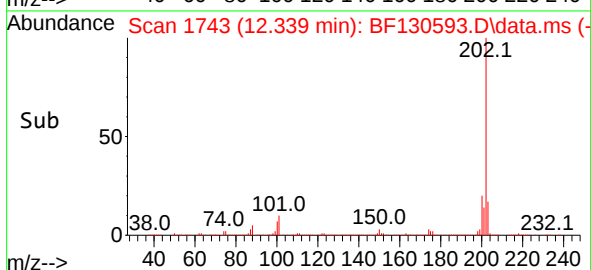
Reviewed By :Christian Giraldo 10/10/2022
 Supervised By :Jagrut Upadhyay 10/10/2022

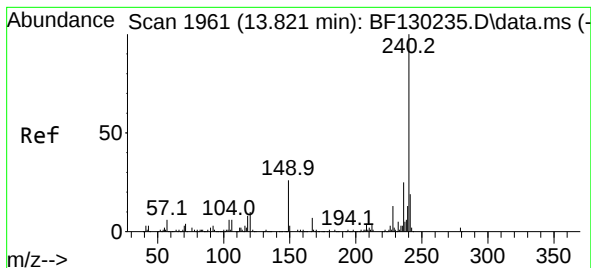


#75
 Fluoranthene
 Concen: 84.155 ng
 RT: 12.339 min Scan# 1743
 Delta R.T. -0.000 min
 Lab File: BF130593.D
 Acq: 08 Oct 2022 01:11



Tgt Ion:202 Resp: 866136
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 31.8
 203 17.3 0.0 37.8





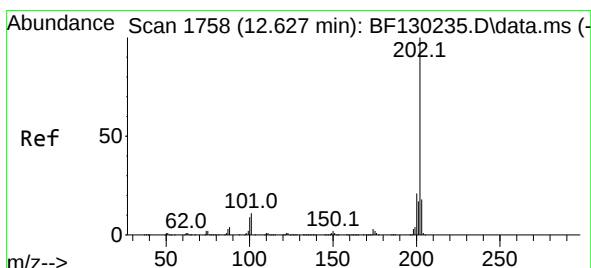
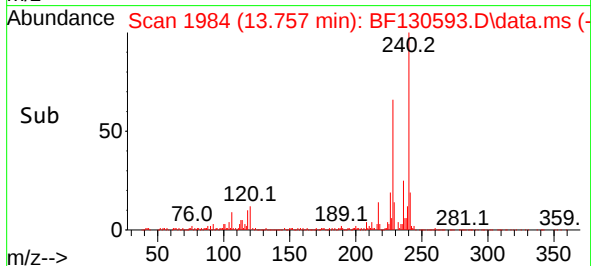
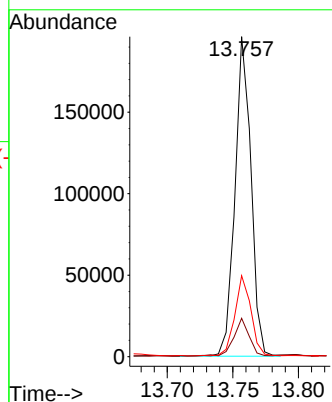
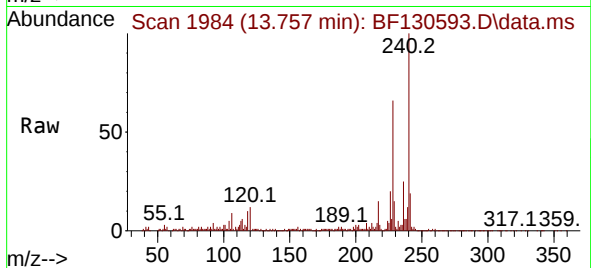
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.757 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

Instrument :
BNA_F
ClientSampleId :
OR-3-100622

Tgt Ion:240 Resp: 166591
Ion Ratio Lower Upper
240 100
120 12.0 8.7 13.1
236 25.3 20.9 31.3

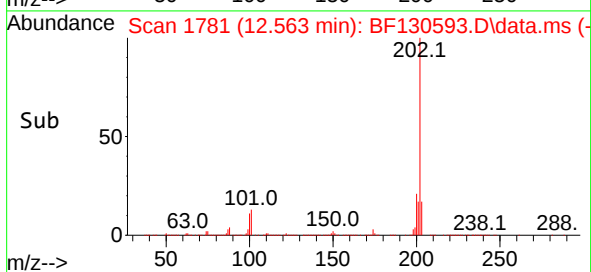
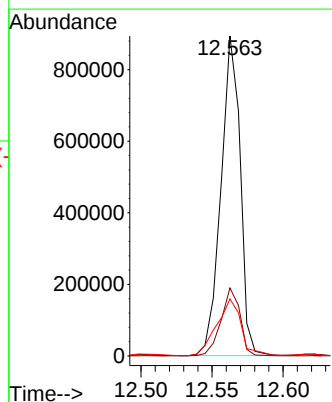
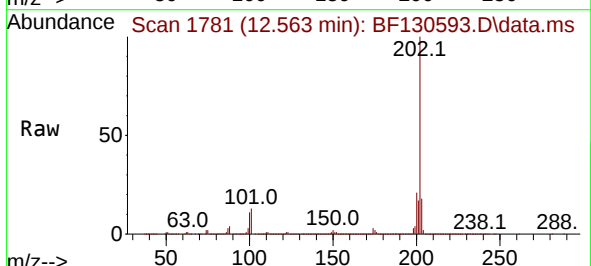
Manual Integrations
APPROVED

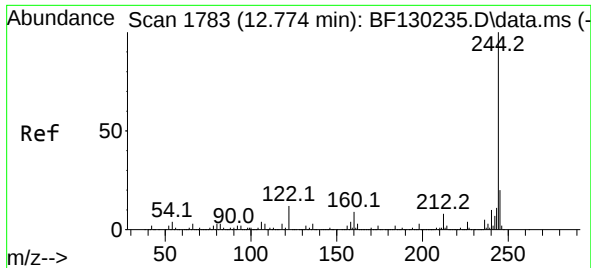
Reviewed By :Christian Giraldo 10/10/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#78
Pyrene
Concen: 57.686 ng
RT: 12.563 min Scan# 1781
Delta R.T. -0.000 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

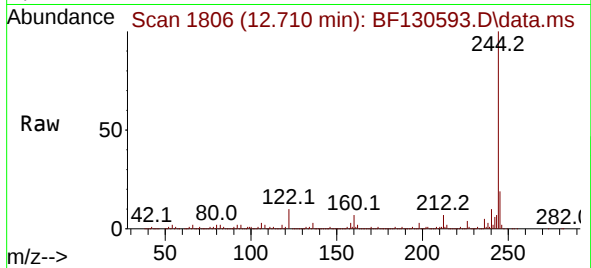
Tgt Ion:202 Resp: 840691
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 17.8 14.3 21.5





#79
Terphenyl-d14
Concen: 44.143 ng
RT: 12.710 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

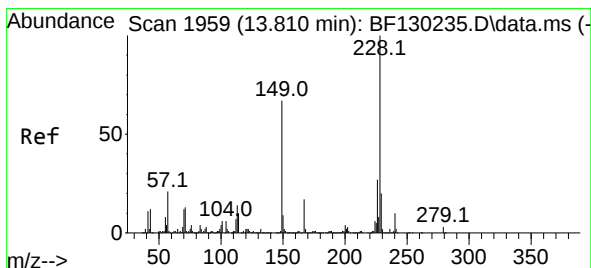
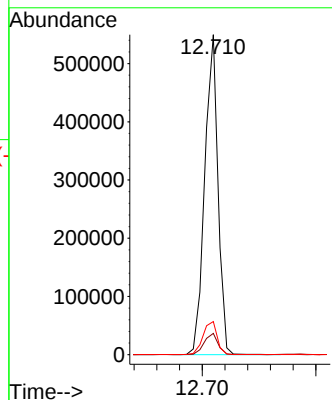
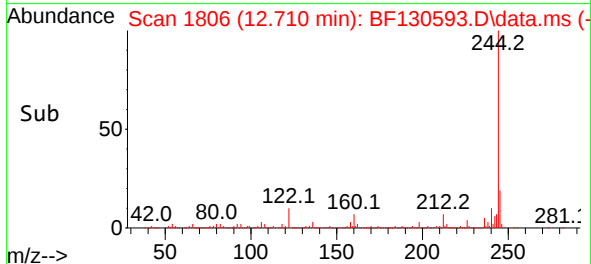
Instrument :
BNA_F
ClientSampleId :
OR-3-100622



Tgt Ion:244 Resp: 443940
Ion Ratio Lower Upper
244 100
212 6.6 5.9 8.9
122 10.4 8.5 12.7

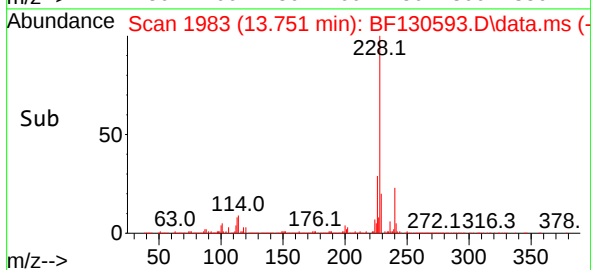
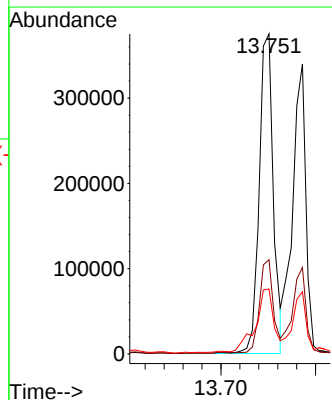
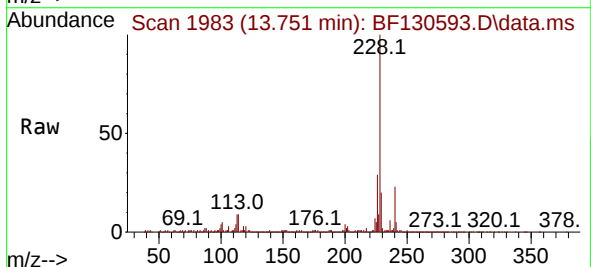
Manual Integrations
APPROVED

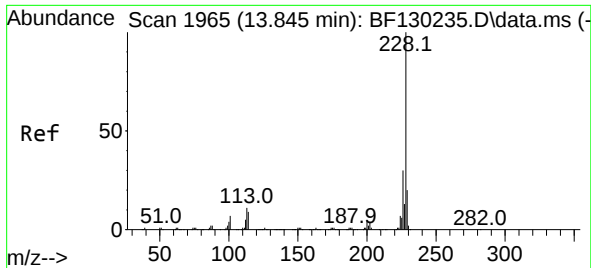
Reviewed By :Christian Giraldo 10/10/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#81
Benzo(a)anthracene
Concen: 35.227 ng
RT: 13.751 min Scan# 1983
Delta R.T. -0.000 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

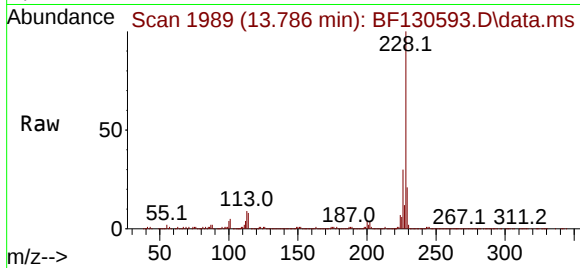
Tgt Ion:228 Resp: 390396
Ion Ratio Lower Upper
228 100
226 29.5 21.9 32.9
229 20.3 16.1 24.1





#83
Chrysene
Concen: 31.694 ng
RT: 13.786 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

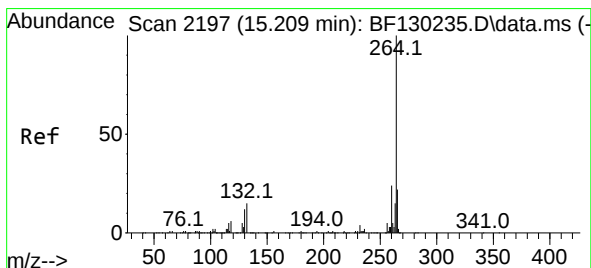
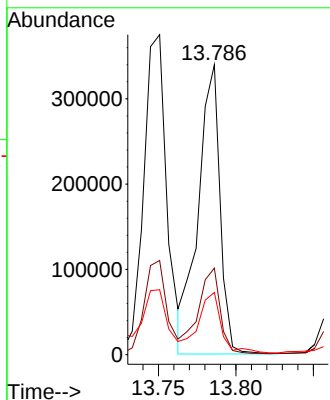
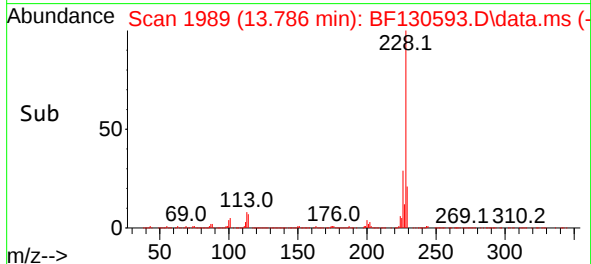
Instrument :
BNA_F
ClientSampleId :
OR-3-100622



Tgt Ion:228 Resp: 333510
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 21.5 15.3 22.9

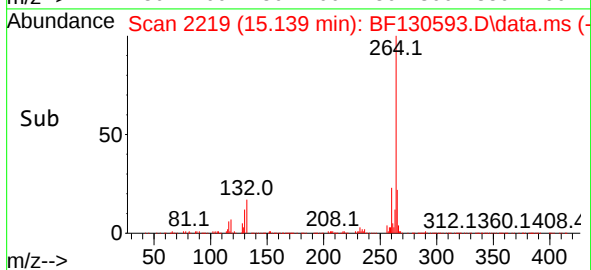
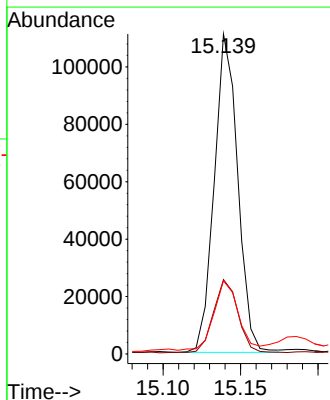
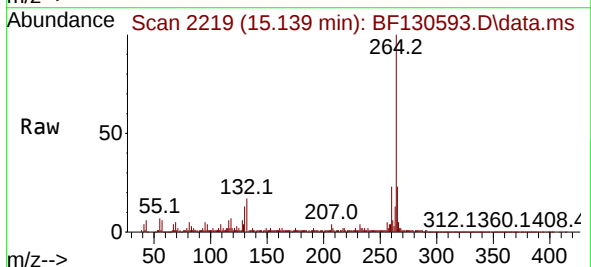
Manual Integrations
APPROVED

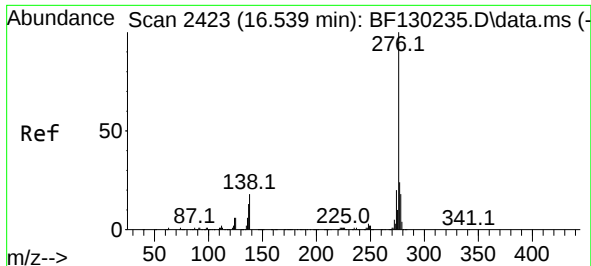
Reviewed By :Christian Giraldo 10/10/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.139 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

Tgt Ion:264 Resp: 116865
Ion Ratio Lower Upper
264 100
260 23.2 19.3 28.9
265 22.9 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 16.199 ng
RT: 16.445 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

Instrument :

BNA_F

ClientSampleId :

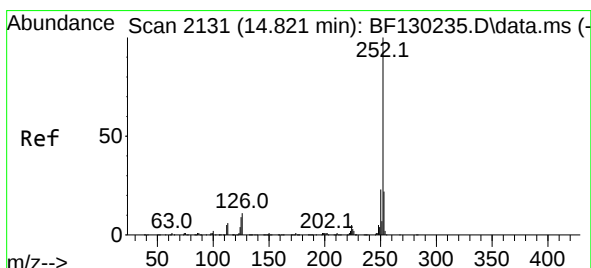
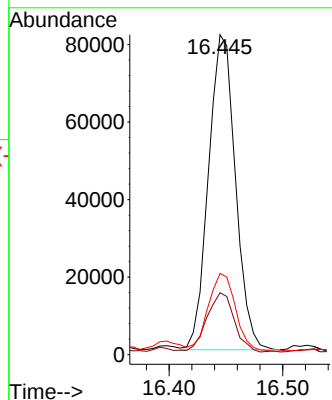
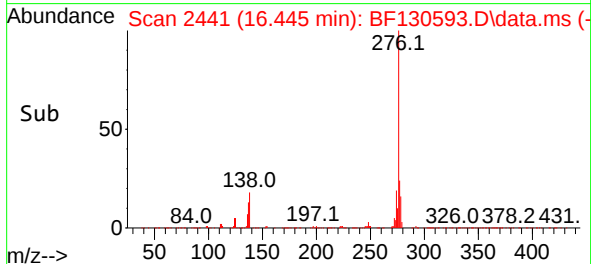
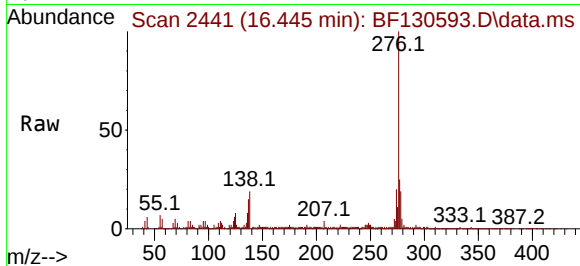
OR-3-100622

Tgt Ion:276 Resp: 134250
Ion Ratio Lower Upper
276 100
138 18.9 18.5 27.7
277 25.1 20.2 30.4

Manual Integrations

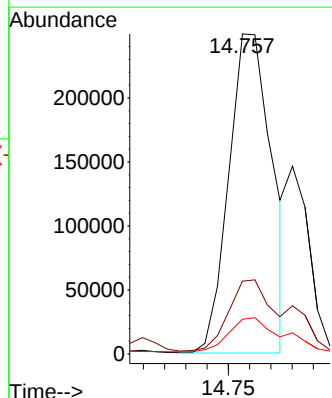
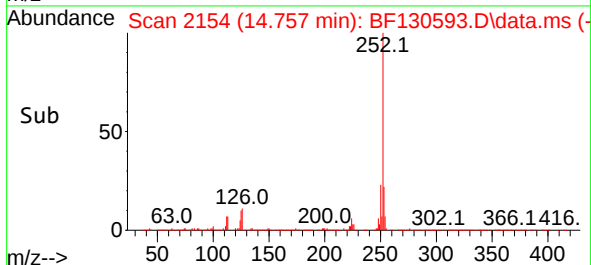
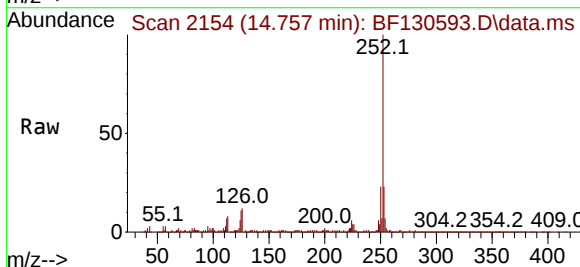
APPROVED

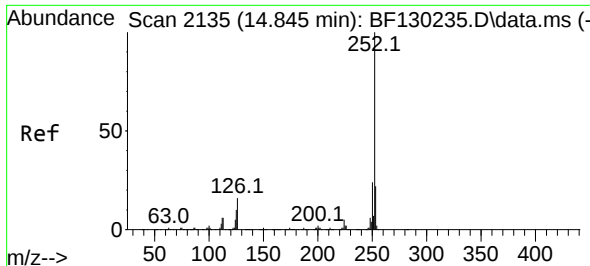
Reviewed By :Christian Giraldo 10/10/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#88
Benzo(b)fluoranthene
Concen: 46.177 ng m
RT: 14.757 min Scan# 2154
Delta R.T. -0.006 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

Tgt Ion:252 Resp: 352224
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 10.9 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 14.301 ng m
RT: 14.780 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

Instrument :

BNF

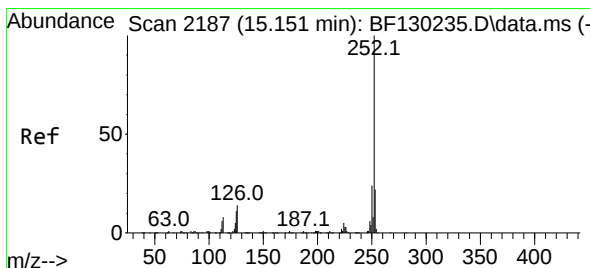
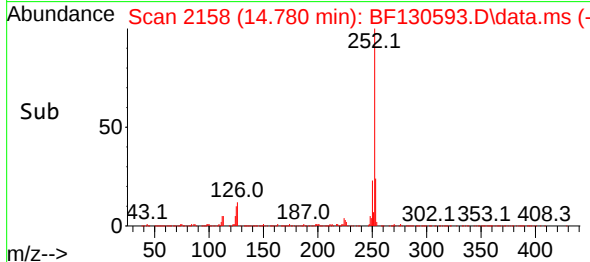
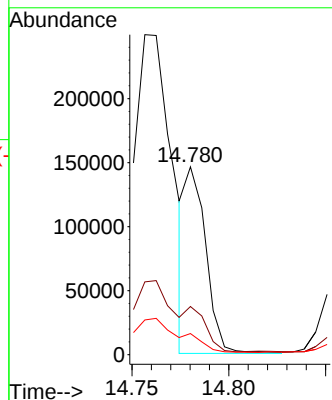
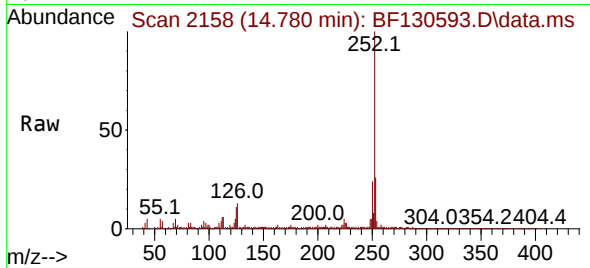
ClientSampleId :

OR-3-100622

Tgt Ion:252 Resp: 107308
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.2
125 11.2 7.9 11.9

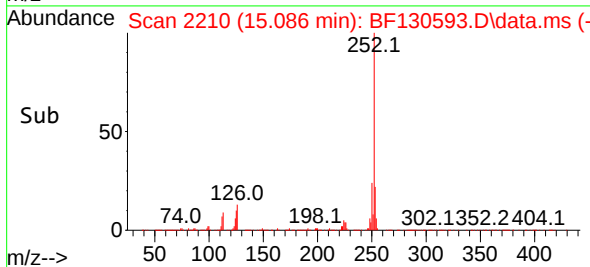
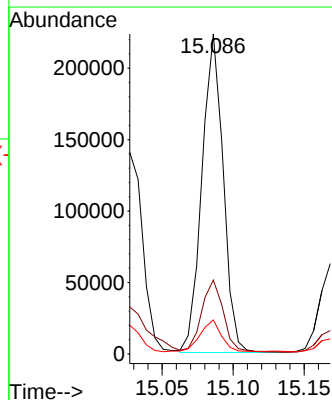
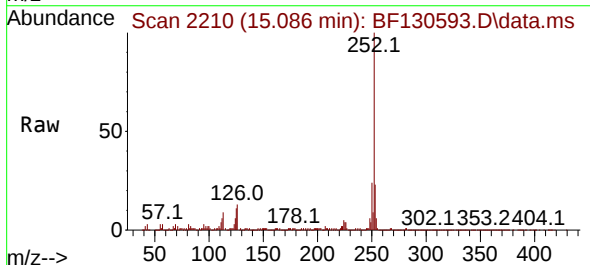
Manual Integrations
APPROVED

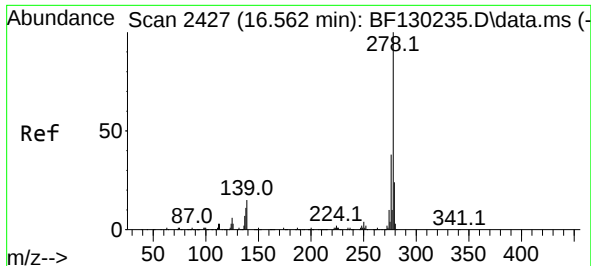
Reviewed By :Christian Giraldo 10/10/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#90
Benzo(a)pyrene
Concen: 38.587 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF130593.D
Acq: 08 Oct 2022 01:11

Tgt Ion:252 Resp: 233178
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 10.6 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 5.336 ng m

RT: 16.451 min Scan# 24

Delta R.T. -0.024 min

Lab File: BF130593.D

Acq: 08 Oct 2022 01:11

Instrument :

BNA_F

ClientSampleId :

OR-3-100622

Tgt Ion:278 Resp: 36270

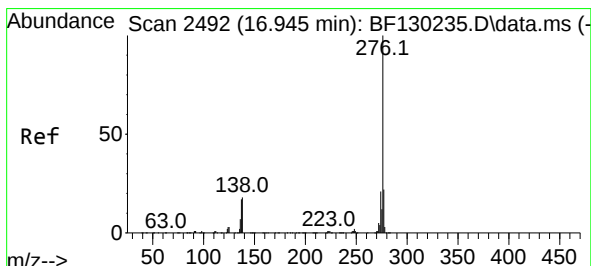
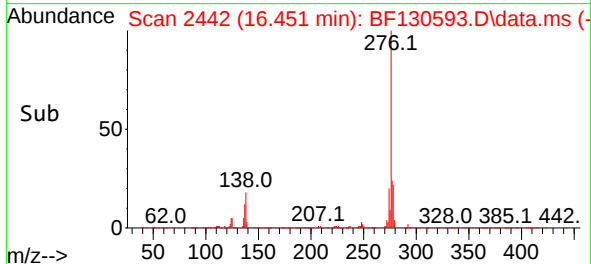
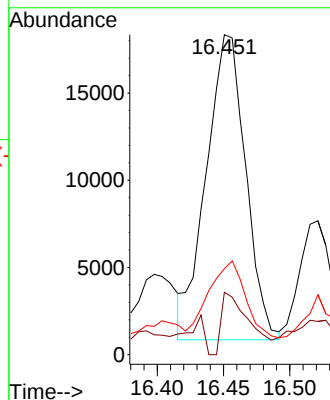
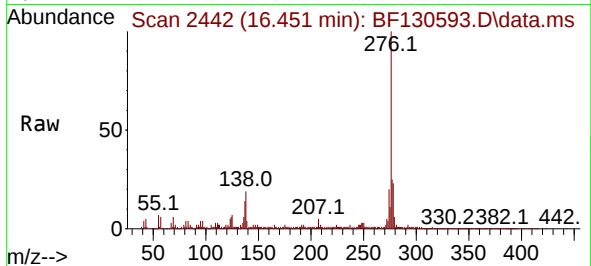
Ion	Ratio	Lower	Upper
278	100		
139	19.5	11.8	17.8
279	26.9	19.4	29.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/10/2022

Supervised By :Jagrut Upadhyay 10/10/2022



#92

Benzo(g,h,i)perylene

Concen: 18.777 ng

RT: 16.839 min Scan# 2508

Delta R.T. -0.012 min

Lab File: BF130593.D

Acq: 08 Oct 2022 01:11

Tgt Ion:276 Resp: 128592

Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	27.8
138	18.7	14.6	21.8

