

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131799.D
 Acq On : 23 Dec 2022 03:17
 Operator : CG\JU
 Sample : N6151-07DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FS-02-(0-2)DL

Quant Time: Dec 23 05:01:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 03:03:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 12/23/2022
 Supervised By : Jagrut Upadhyay 12/24/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	78804	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	262949	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	124631	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	214650	20.000	ng	0.00
76) Chrysene-d12	14.057	240	162232	20.000	ng	0.00
86) Perylene-d12	15.551	264	122914	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	52001	11.112	ng	0.00
7) Phenol-d6	6.481	99	66745	10.596	ng	0.00
23) Nitrobenzene-d5	7.422	82	45660	7.049	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	11957	8.765	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	70595	7.935	ng	0.00
79) Terphenyl-d14	12.992	244	61865	5.943	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	283174	24.193	ng	98
72) Anthracene	11.480	178	72993	6.369	ng	99
73) Carbazole	11.633	167	23959	2.416	ng	99
75) Fluoranthene	12.621	202	432704	33.194	ng	99
78) Pyrene	12.857	202	404815	27.445	ng	99
81) Benzo(a)anthracene	14.045	228	200602	17.169	ng	95
83) Chrysene	14.080	228	169479	15.368	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	70635	8.556	ng	98
88) Benzo(b)fluoranthene	15.110	252	167598m	19.273	ng	
89) Benzo(k)fluoranthene	15.139	252	57785m	6.810	ng	
90) Benzo(a)pyrene	15.486	252	128620	18.673	ng	98
91) Dibenzo(a,h)anthracene	17.068	278	17822	2.612	ng	# 91
92) Benzo(g,h,i)perylene	17.509	276	79775	11.830	ng	96

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

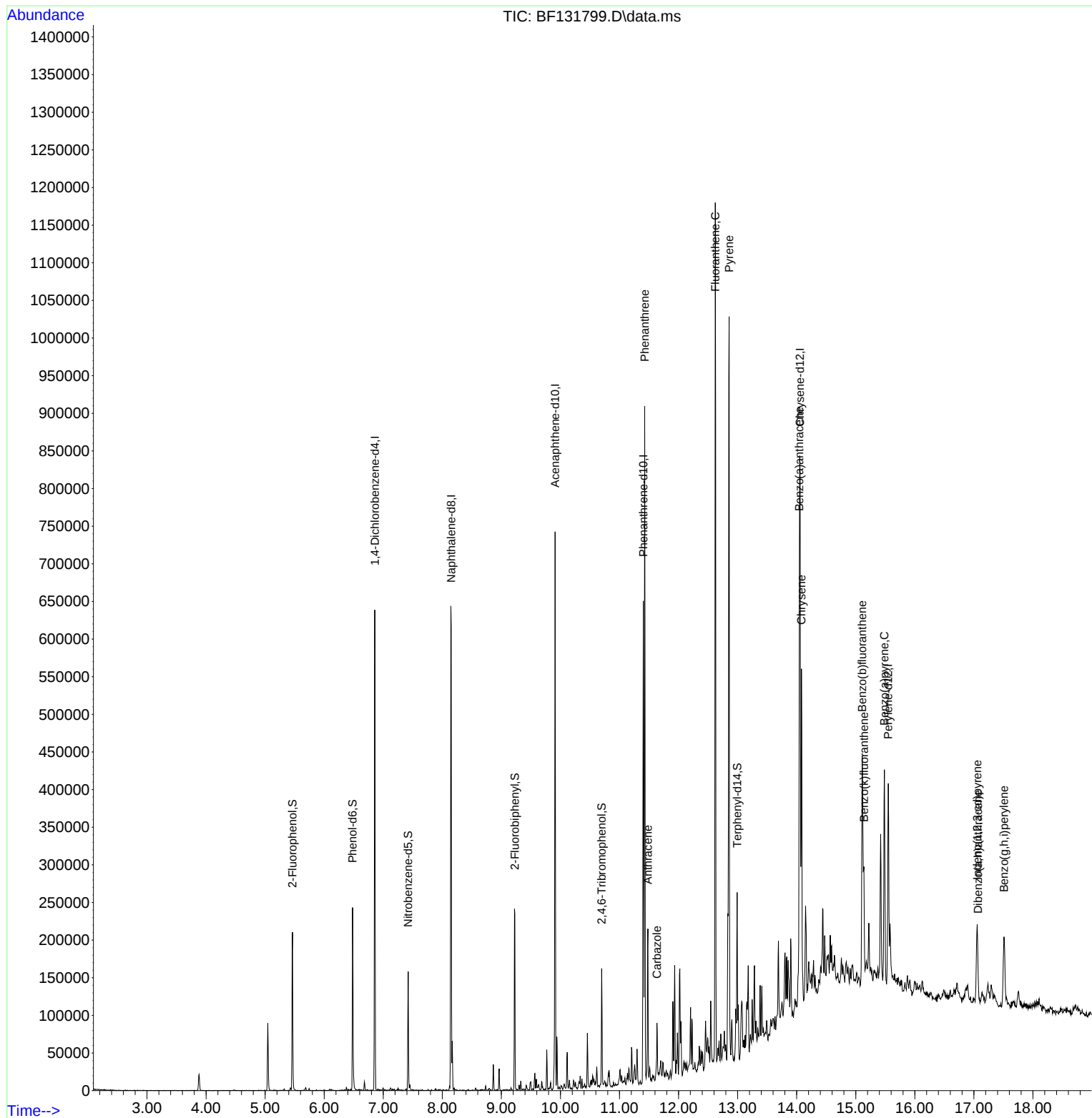
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131799.D
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ALS Vial : 22 Sample Multiplier: 1

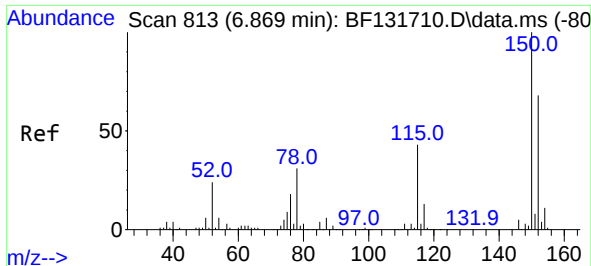
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FS-02-(0-2)DL

Quant Time: Dec 23 05:01:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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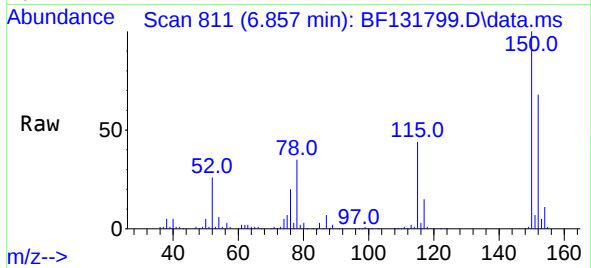
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

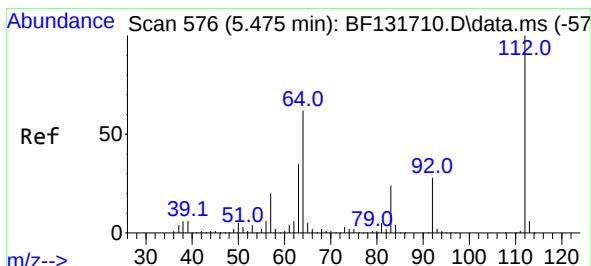
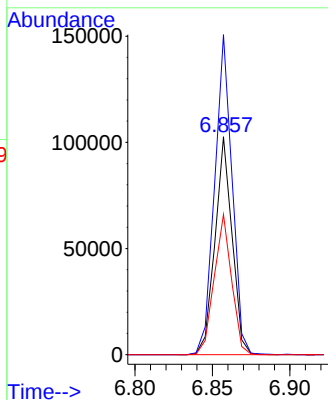
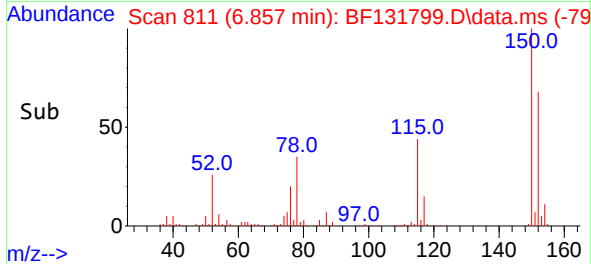
Instrument :
BNA_F
ClientSampleId :
FS-02-(0-2)DL



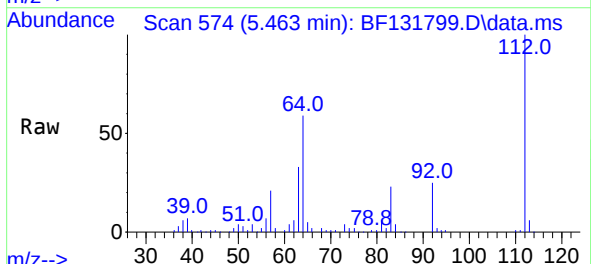
Tgt Ion:152 Resp: 78804
Ion Ratio Lower Upper
152 100
150 146.8 117.4 176.0
115 64.3 50.2 75.4

Manual Integrations
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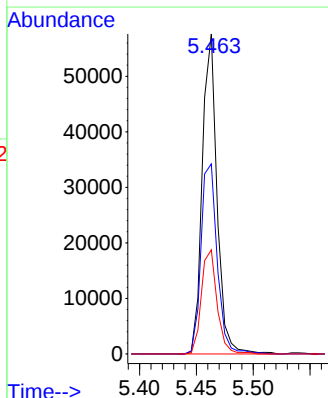
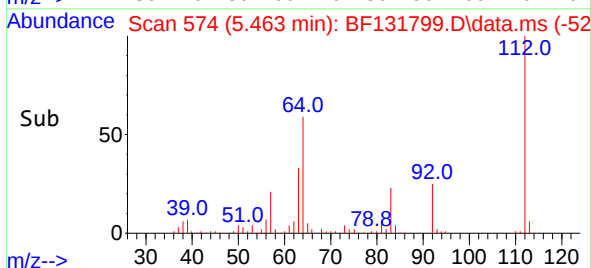
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022

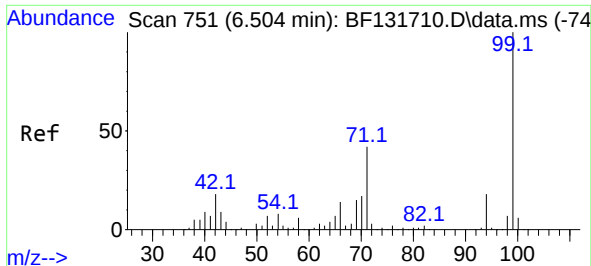


#5
2-Fluorophenol
Concen: 11.112 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17



Tgt Ion:112 Resp: 52001
Ion Ratio Lower Upper
112 100
64 59.4 49.5 74.3
63 32.6 28.2 42.2





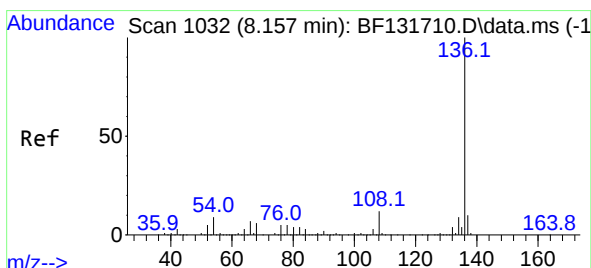
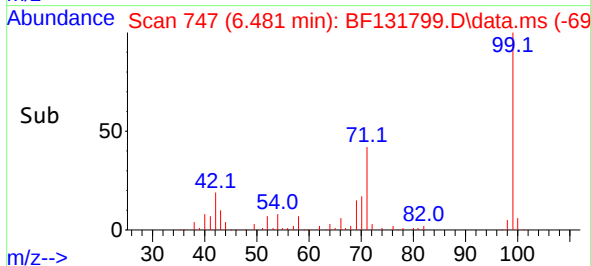
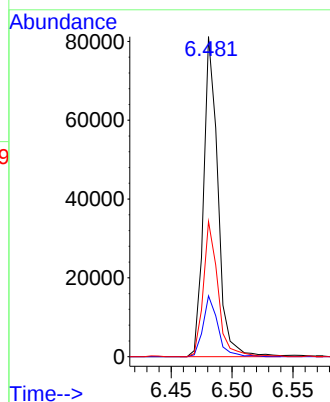
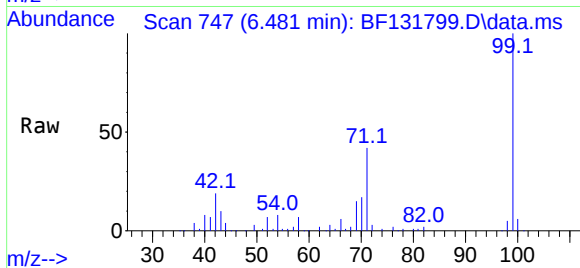
#7
Phenol-d6
Concen: 10.596 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Instrument :
BNA_F
ClientSampleId :
FS-02-(0-2)DL

Tgt Ion: 99 Resp: 6674
Ion Ratio Lower Upper
99 100
42 19.0 14.8 22.2
71 42.2 33.8 50.6

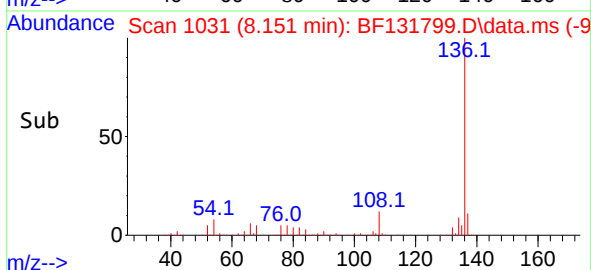
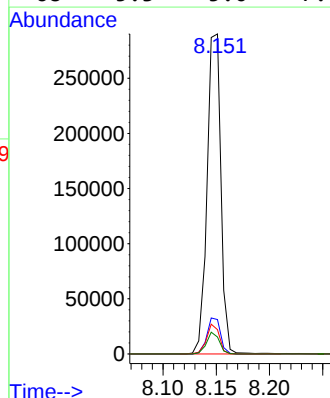
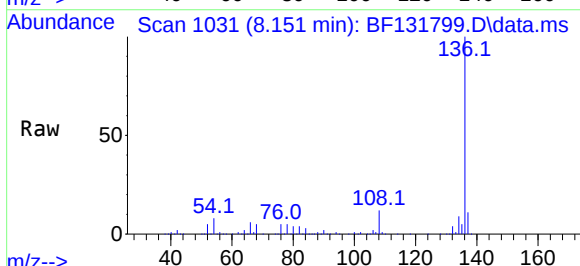
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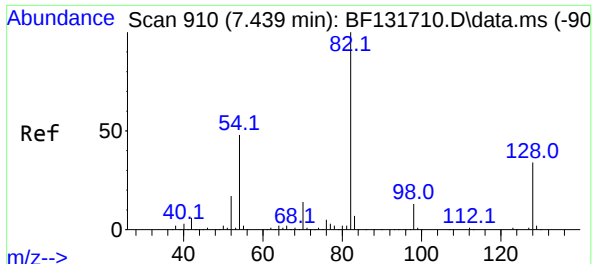
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Supervised By :Jagrut Upadhyay 12/24/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Tgt Ion:136 Resp: 262949
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.6 7.2 10.8
68 5.3 5.0 7.6





#23
Nitrobenzene-d5
Concen: 7.049 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Instrument :

BNA_F

ClientSampleId :

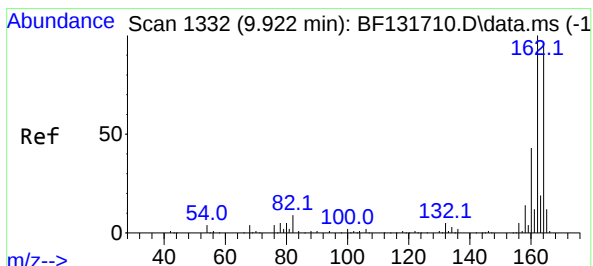
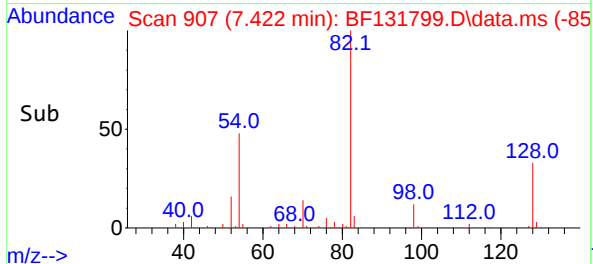
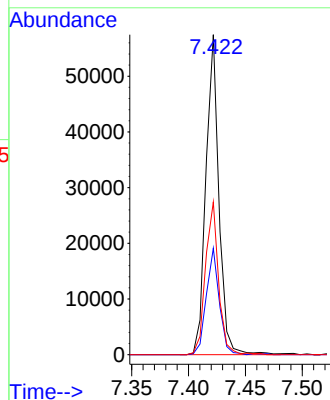
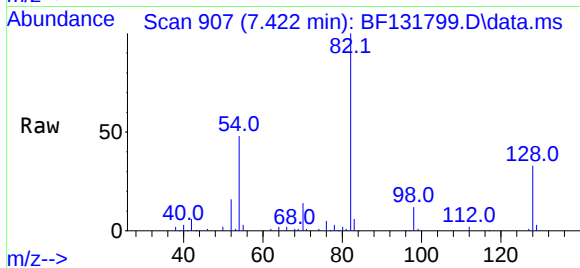
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Tgt Ion: 82 Resp: 45660
Ion Ratio Lower Upper
82 100
128 33.3 27.3 40.9
54 47.7 38.2 57.2

Manual Integrations

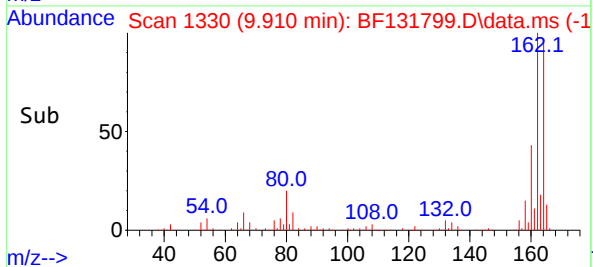
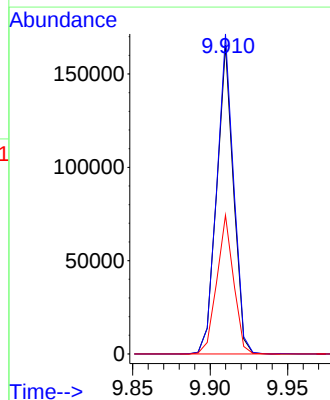
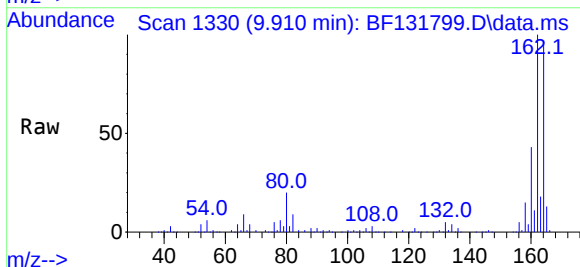
APPROVED

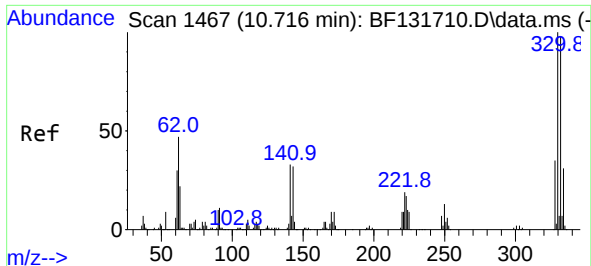
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Tgt Ion:164 Resp: 124631
Ion Ratio Lower Upper
164 100
162 103.6 83.7 125.5
160 44.9 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 8.765 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Instrument :

BNA_F

ClientSampleId :

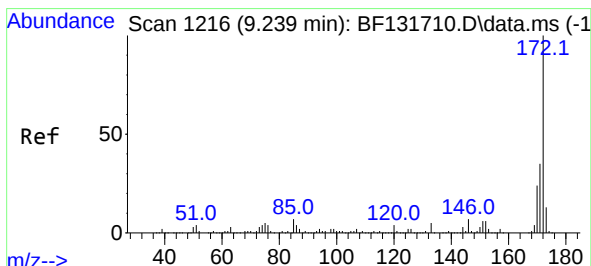
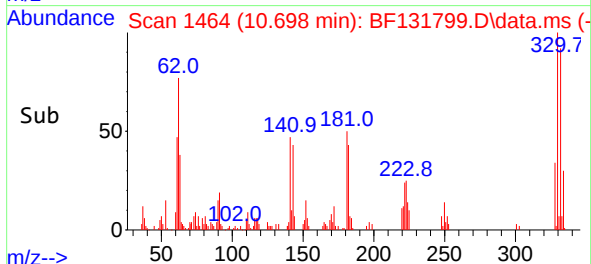
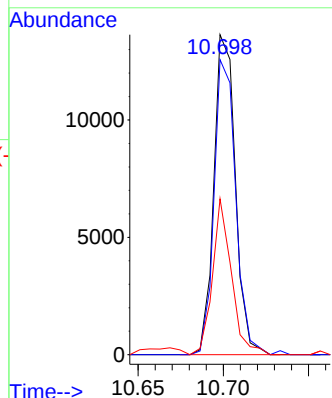
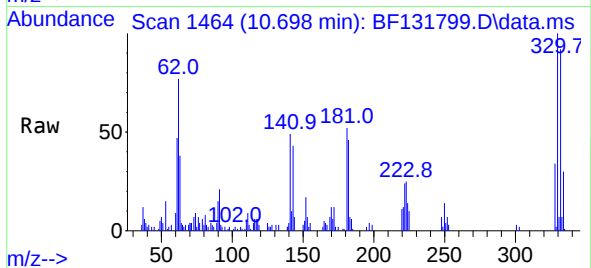
FS-02-(0-2)DL

Tgt Ion: 330 Resp: 1195
Ion Ratio Lower Upper
330 100
332 93.6 77.1 115.7
141 43.0 30.4 45.6

Manual Integrations

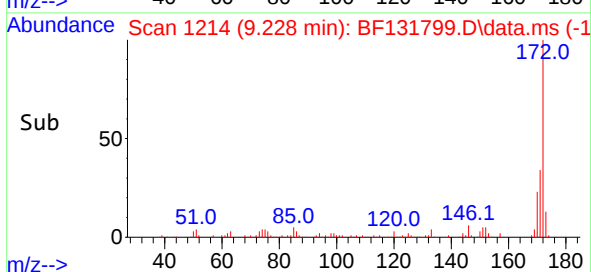
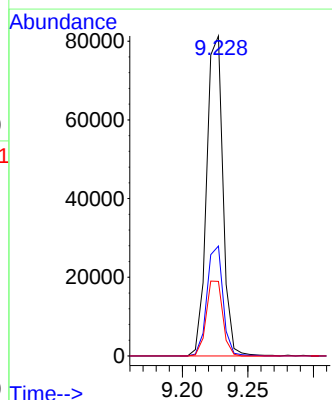
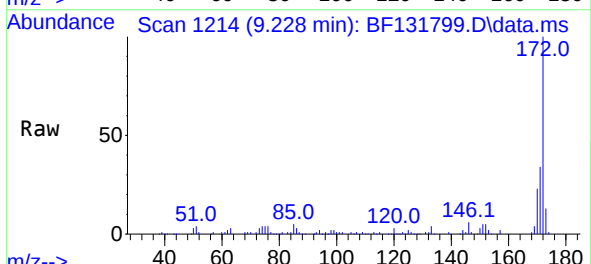
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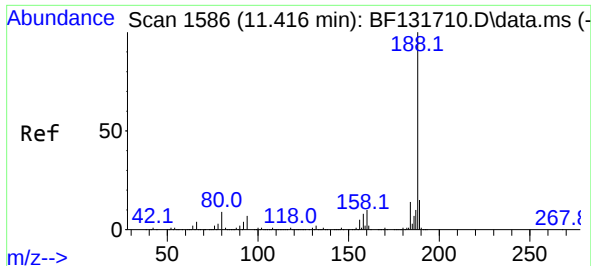
Reviewed By : Christian Giraldo 12/23/2022
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#45
2-Fluorobiphenyl
Concen: 7.935 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

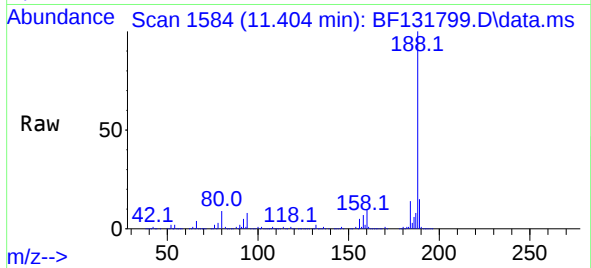
Tgt Ion: 172 Resp: 70595
Ion Ratio Lower Upper
172 100
171 34.4 27.9 41.9
170 23.3 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

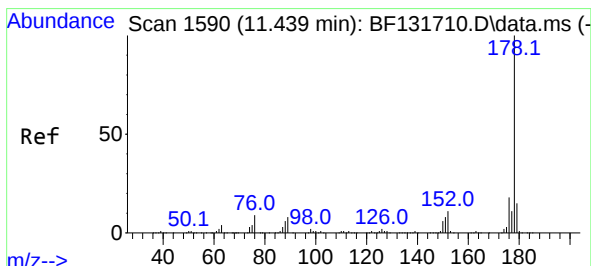
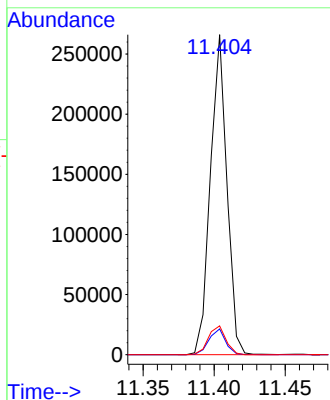
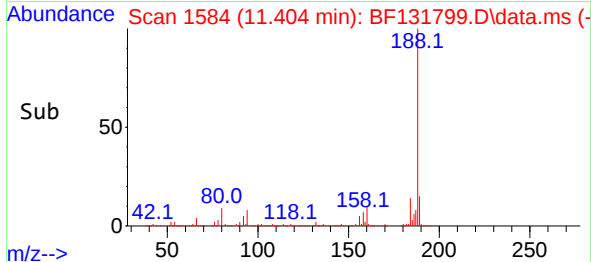
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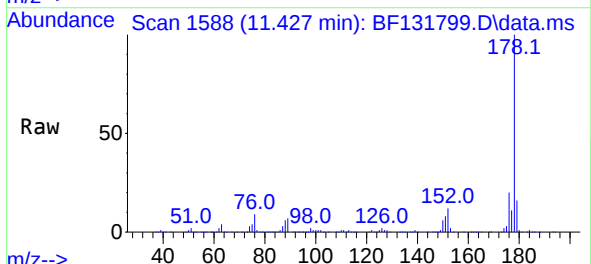
Tgt Ion:188 Resp: 214650
Ion Ratio Lower Upper
188 100
94 8.1 5.9 8.9
80 9.0 7.0 10.6

Manual Integrations
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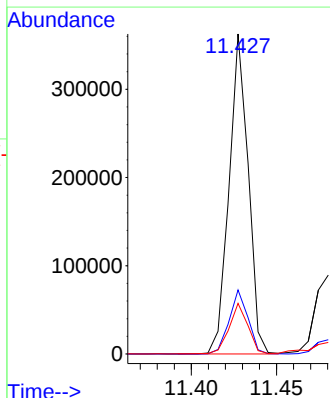
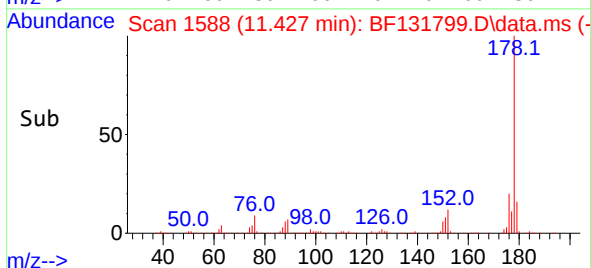
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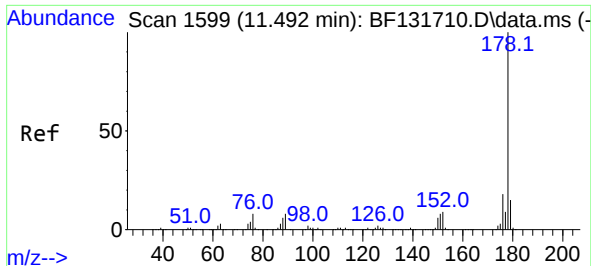


#71
Phenanthrene
Concen: 24.193 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17



Tgt Ion:178 Resp: 283174
Ion Ratio Lower Upper
178 100
176 20.0 14.8 22.2
179 15.8 12.2 18.4





#72
 Anthracene
 Concen: 6.369 ng
 RT: 11.480 min Scan# 1599
 Delta R.T. -0.000 min
 Lab File: BF131799.D
 Acq: 23 Dec 2022 03:17

Instrument :

BNA_F

ClientSampleId :

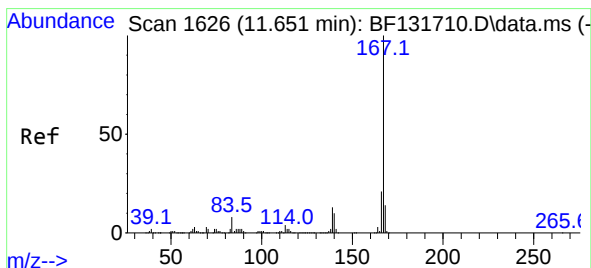
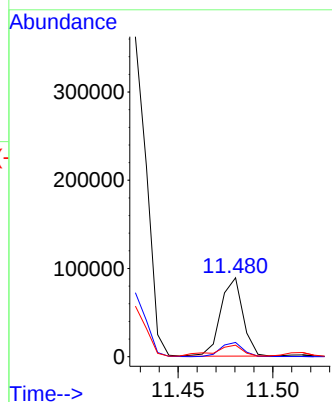
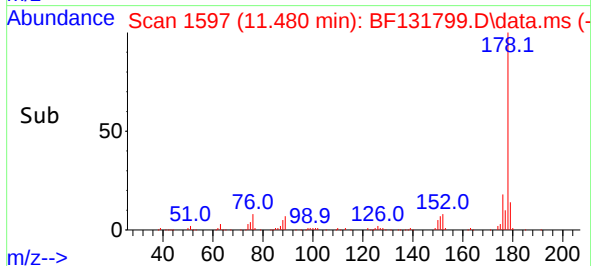
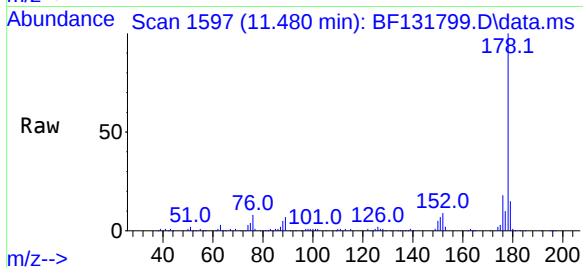
FS-02-(0-2)DL

Tgt Ion:178 Resp: 72993
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 21.8
 179 14.6 12.2 18.4

Manual Integrations

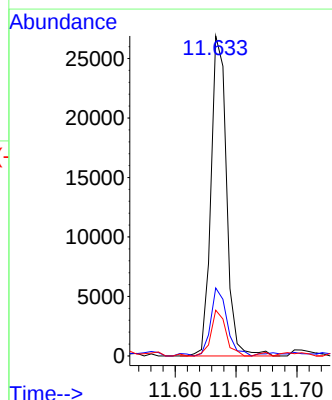
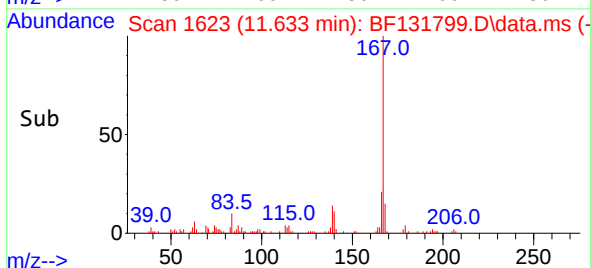
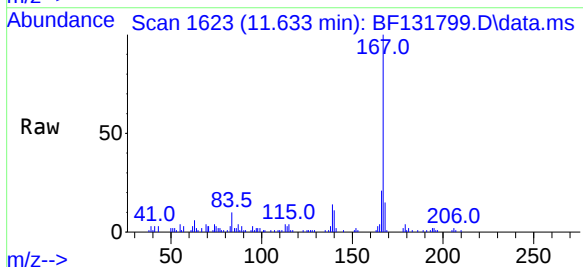
APPROVED

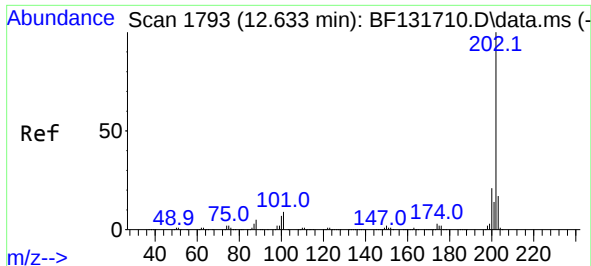
Reviewed By :Christian Giraldo 12/23/2022
 Supervised By :Jagrut Upadhyay 12/24/2022



#73
 Carbazole
 Concen: 2.416 ng
 RT: 11.633 min Scan# 1623
 Delta R.T. -0.000 min
 Lab File: BF131799.D
 Acq: 23 Dec 2022 03:17

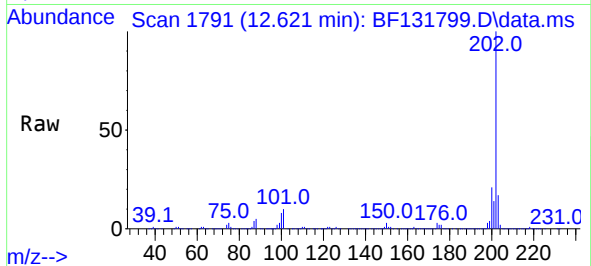
Tgt Ion:167 Resp: 23959
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.1 25.7
 139 14.3 10.5 15.7





#75
Fluoranthene
Concen: 33.194 ng
RT: 12.621 min Scan# 1793
Delta R.T. 0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

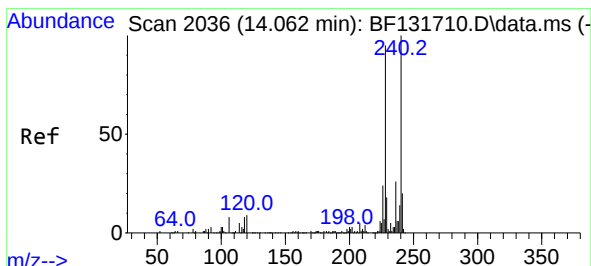
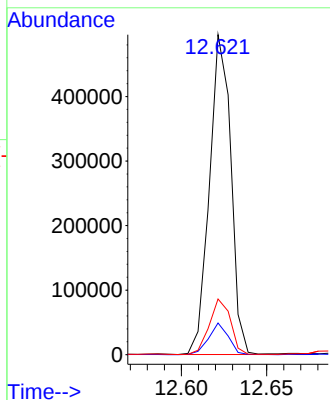
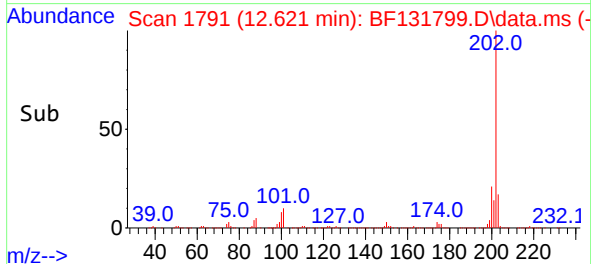
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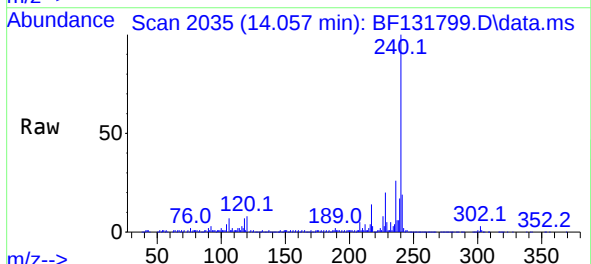
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Ion Ratio Lower Upper
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203 17.4 0.0 37.1

Manual Integrations
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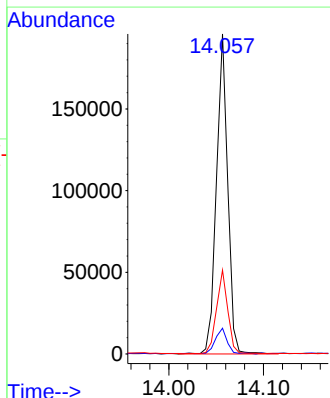
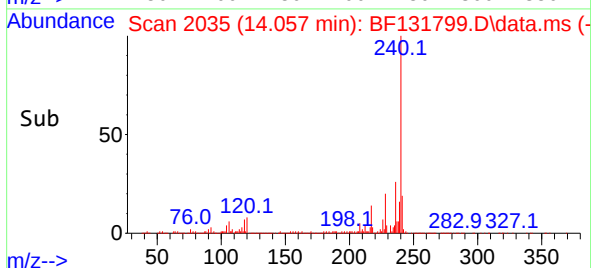
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022

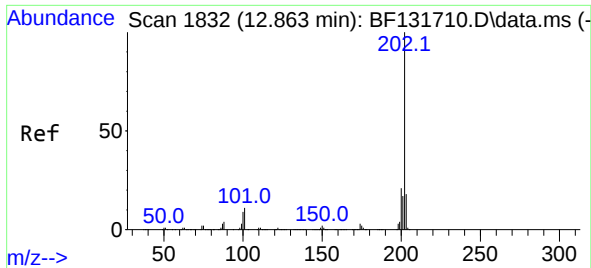


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17



Tgt Ion:240 Resp: 162232
Ion Ratio Lower Upper
240 100
120 8.1 7.6 11.4
236 26.2 21.2 31.8





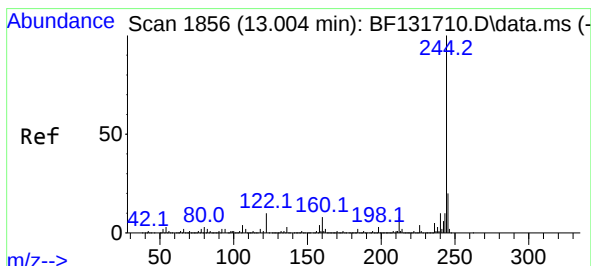
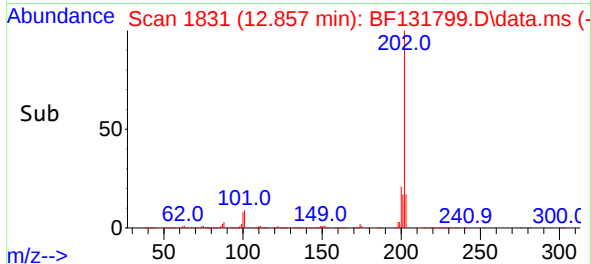
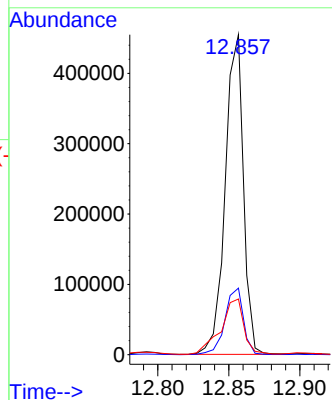
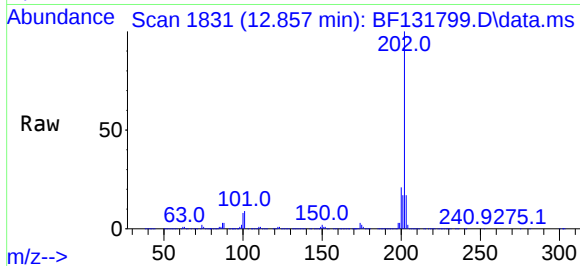
#78
Pyrene
Concen: 27.445 ng
RT: 12.857 min Scan# 1831
Delta R.T. 0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Instrument :
BNA_F
ClientSampleId :
FS-02-(0-2)DL

Tgt Ion:202 Resp: 404815
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.4 14.1 21.1

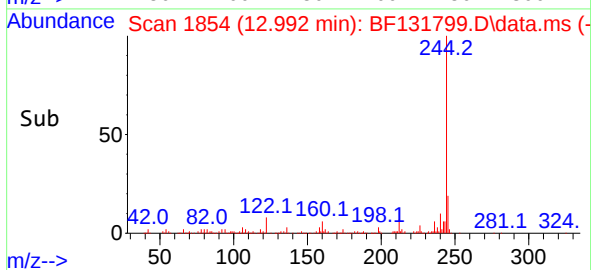
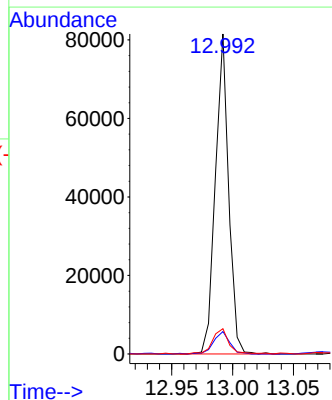
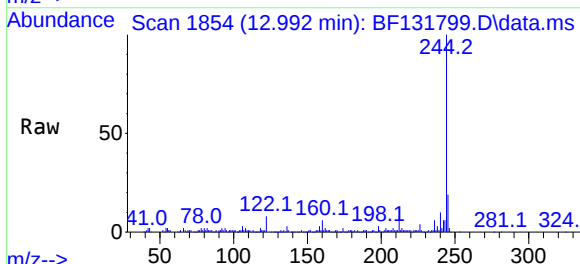
Manual Integrations
APPROVED

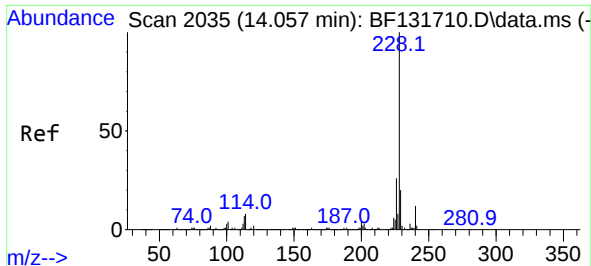
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#79
Terphenyl-d14
Concen: 5.943 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Tgt Ion:244 Resp: 61865
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 7.9 7.7 11.5





#81
Benzo(a)anthracene
Concen: 17.169 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Instrument :

BNA_F

ClientSampleId :

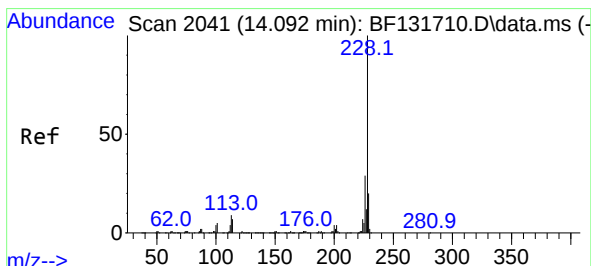
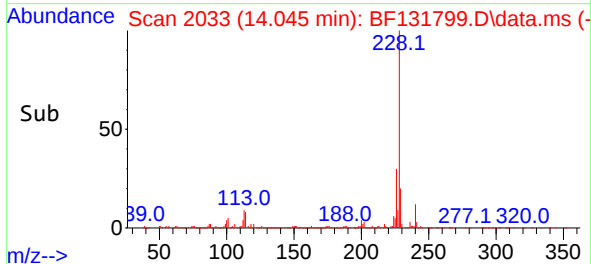
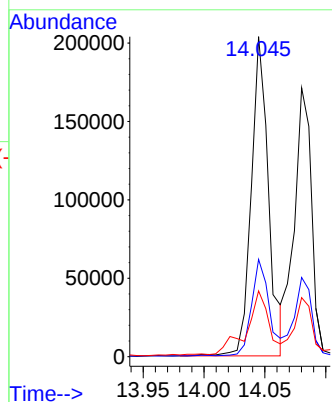
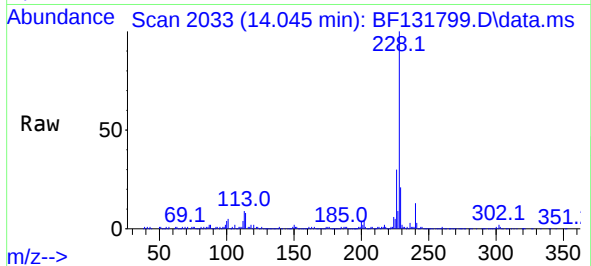
FS-02-(0-2)DL

Tgt Ion:228 Resp: 200602
Ion Ratio Lower Upper
228 100
226 30.4 21.0 31.4
229 20.5 15.8 23.8

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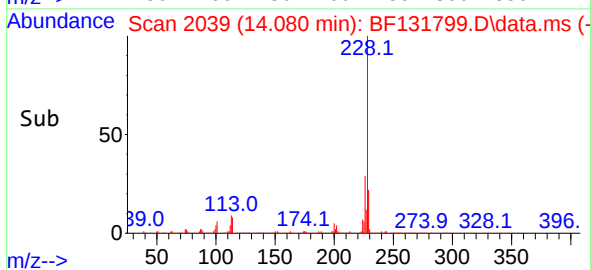
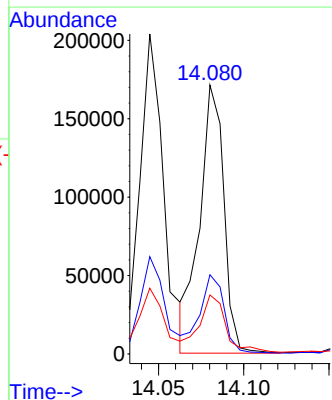
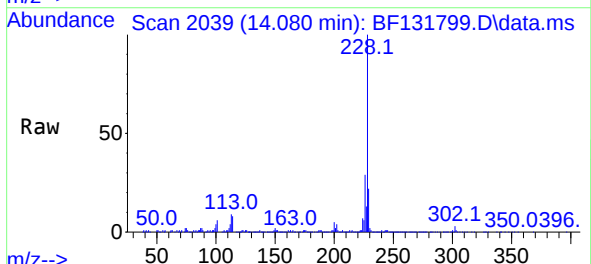
APPROVED

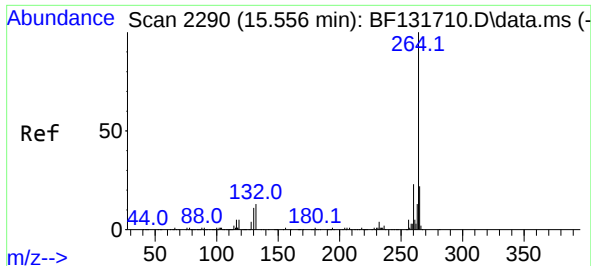
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#83
Chrysene
Concen: 15.368 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Tgt Ion:228 Resp: 169479
Ion Ratio Lower Upper
228 100
226 29.5 23.5 35.3
229 22.0 15.6 23.4





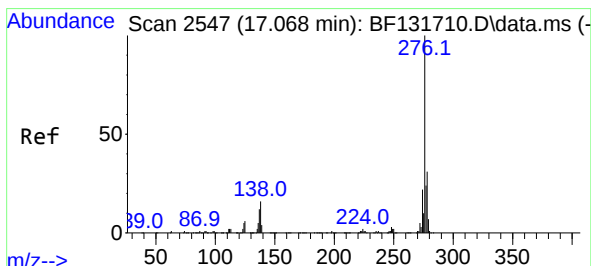
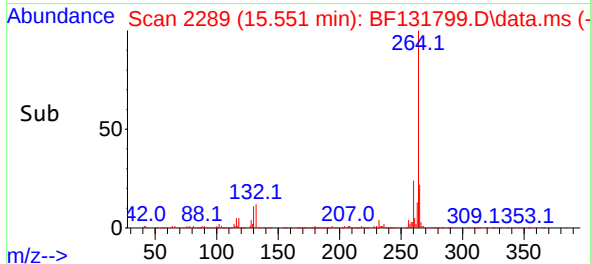
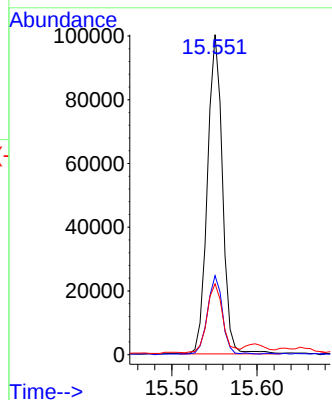
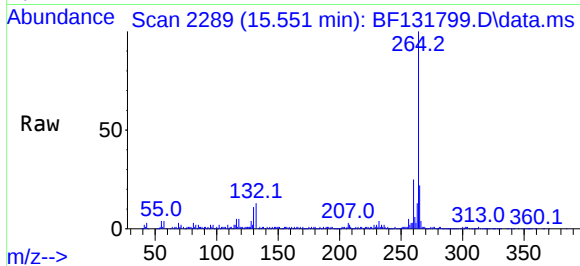
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.017 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Instrument :
BNA_F
ClientSampleId :
FS-02-(0-2)DL

Tgt Ion:264 Resp: 122914
Ion Ratio Lower Upper
264 100
260 24.7 18.6 28.0
265 22.2 17.4 26.2

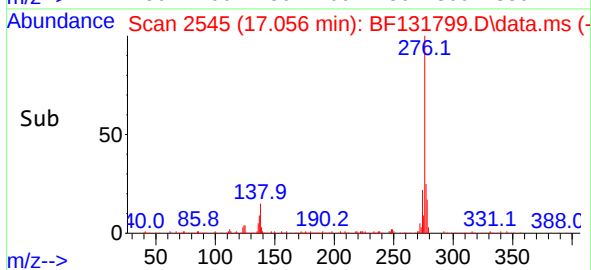
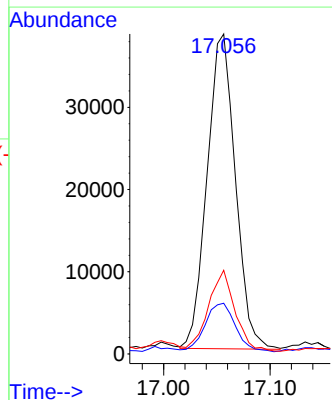
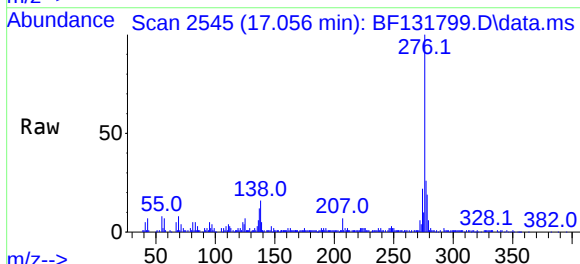
Manual Integrations
APPROVED

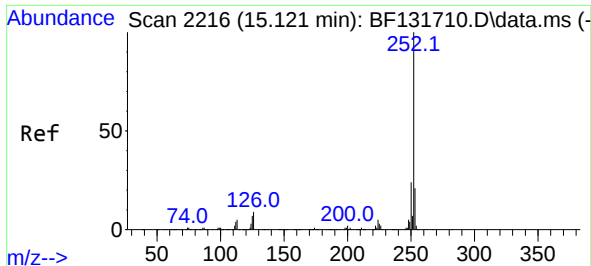
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.556 ng
RT: 17.056 min Scan# 2545
Delta R.T. 0.017 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Tgt Ion:276 Resp: 70635
Ion Ratio Lower Upper
276 100
138 16.5 14.4 21.6
277 24.2 19.8 29.8





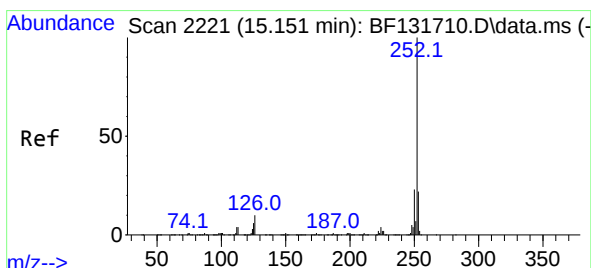
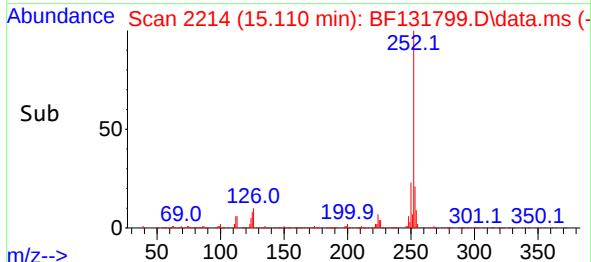
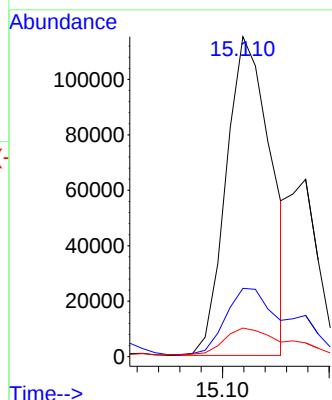
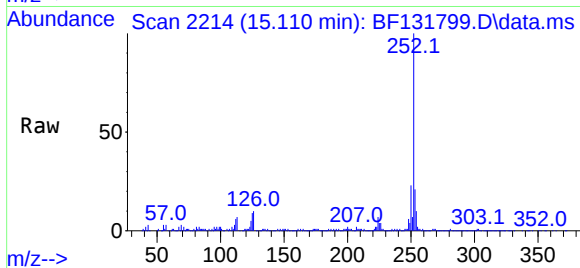
#88
Benzo(b)fluoranthene
Concen: 19.273 ng m
RT: 15.110 min Scan# 2214
Delta R.T. 0.012 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Instrument :
BNA_F
ClientSampleId :
FS-02-(0-2)DL

Tgt Ion:252 Resp: 167598
Ion Ratio Lower Upper
252 100
253 21.4 17.2 25.8
125 9.0 5.5 8.3

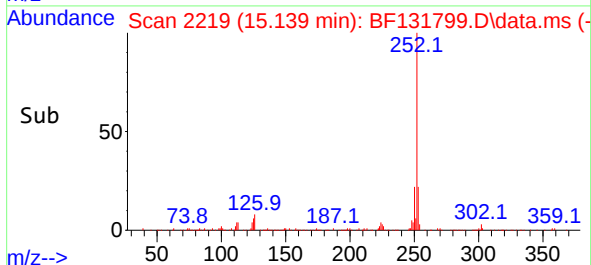
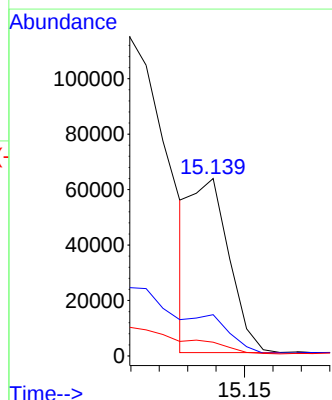
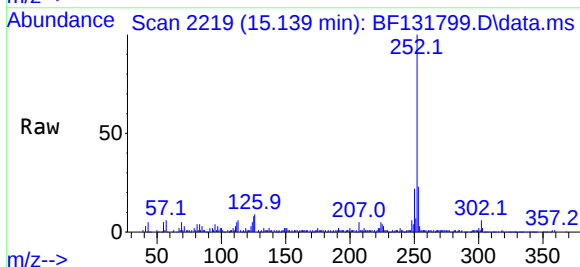
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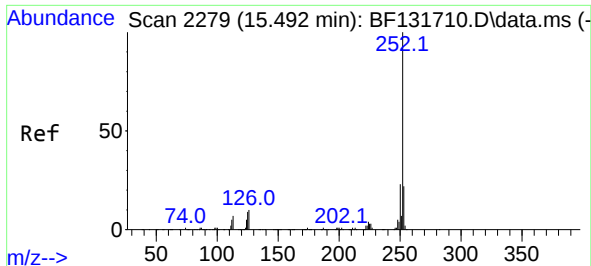
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#89
Benzo(k)fluoranthene
Concen: 6.810 ng m
RT: 15.139 min Scan# 2219
Delta R.T. 0.012 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

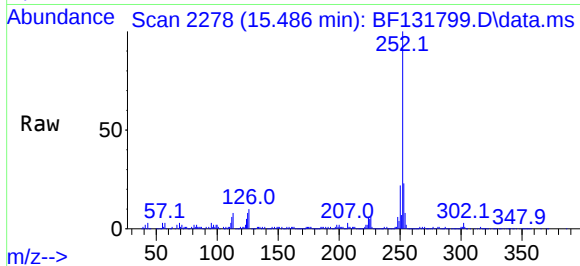
Tgt Ion:252 Resp: 57785
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 7.8 5.2 7.8





#90
Benzo(a)pyrene
Concen: 18.673 ng
RT: 15.486 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

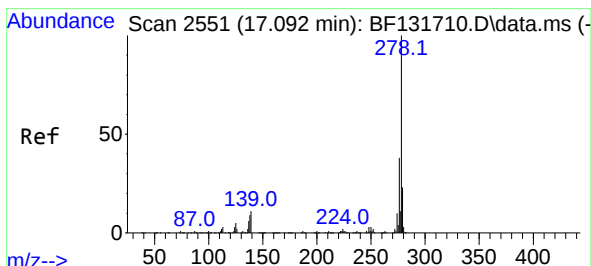
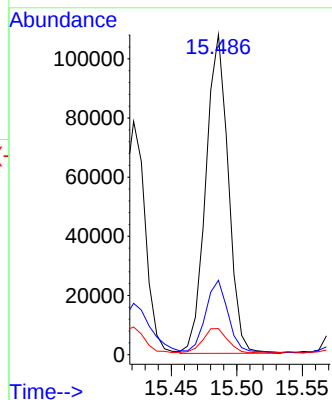
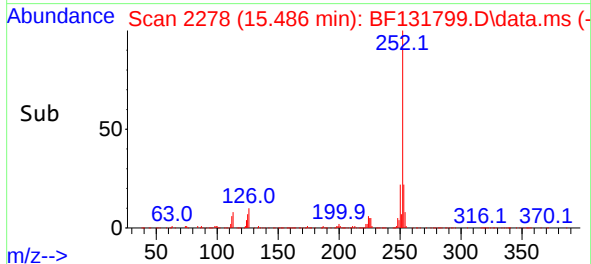
Instrument :
BNA_F
ClientSampleId :
FS-02-(0-2)DL



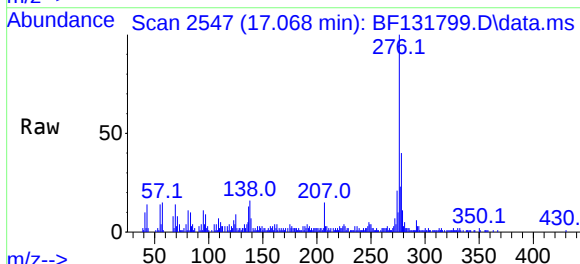
Tgt Ion:252 Resp: 128620
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 8.2 7.0 10.4

Manual Integrations
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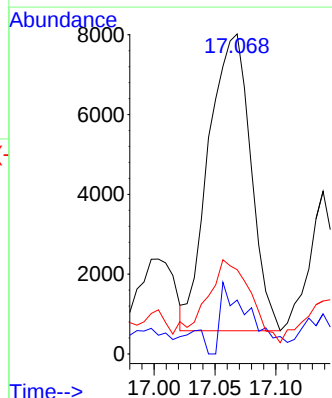
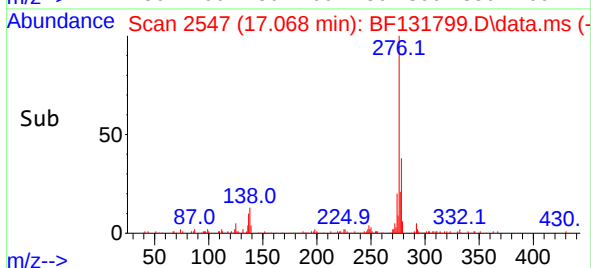
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022

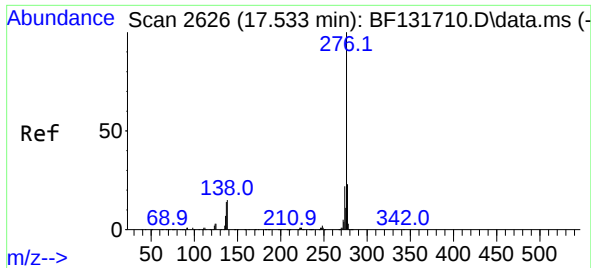


#91
Dibenzo(a,h)anthracene
Concen: 2.612 ng
RT: 17.068 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17



Tgt Ion:278 Resp: 17822
Ion Ratio Lower Upper
278 100
139 16.9 8.7 13.1#
279 26.3 18.7 28.1





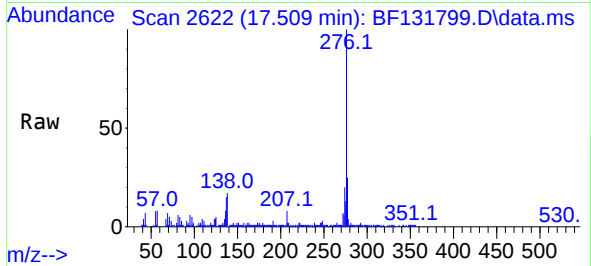
#92
 Benzo(g,h,i)perylene
 Concen: 11.830 ng
 RT: 17.509 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF131799.D
 Acq: 23 Dec 2022 03:17

Instrument :

BNA_F

ClientSampleId :

FS-02-(0-2)DL



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.3	27.5
138	17.4	12.3	18.5

Manual Integrations

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 Supervised By :Jagrut Upadhyay 12/24/2022

