

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131798.D
 Acq On : 23 Dec 2022 02:45
 Operator : CG\JU
 Sample : N6151-05DL 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FS-01-(0-2)DL

Quant Time: Dec 23 03:39:44 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	81535	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	265884	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	126460	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	211197	20.000	ng	0.00
76) Chrysene-d12	14.057	240	154291	20.000	ng	0.00
86) Perylene-d12	15.557	264	117283	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	231196	47.747	ng	0.00
7) Phenol-d6	6.487	99	304099	46.660	ng	0.00
23) Nitrobenzene-d5	7.422	82	217316	33.181	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	53140	38.392	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	324325	35.926	ng	0.00
79) Terphenyl-d14	12.992	244	275304	27.809	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.169	128	42227	2.908	ng	97
71) Phenanthrene	11.427	178	222765	19.343	ng	99
72) Anthracene	11.480	178	53224	4.720	ng	99
75) Fluoranthene	12.621	202	388007	30.252	ng	98
78) Pyrene	12.857	202	481901	34.353	ng	100
81) Benzo(a)anthracene	14.045	228	250017	22.499	ng	95
83) Chrysene	14.086	228	230747	22.001	ng	97
87) Indeno(1,2,3-cd)pyrene	17.056	276	117242	14.883	ng	97
88) Benzo(b)fluoranthene	15.115	252	266460m	32.113	ng	
89) Benzo(k)fluoranthene	15.139	252	59275m	7.321	ng	
90) Benzo(a)pyrene	15.492	252	210347	32.004	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	26051	4.002	ng	# 90
92) Benzo(g,h,i)perylene	17.521	276	147820	22.973	ng	98

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

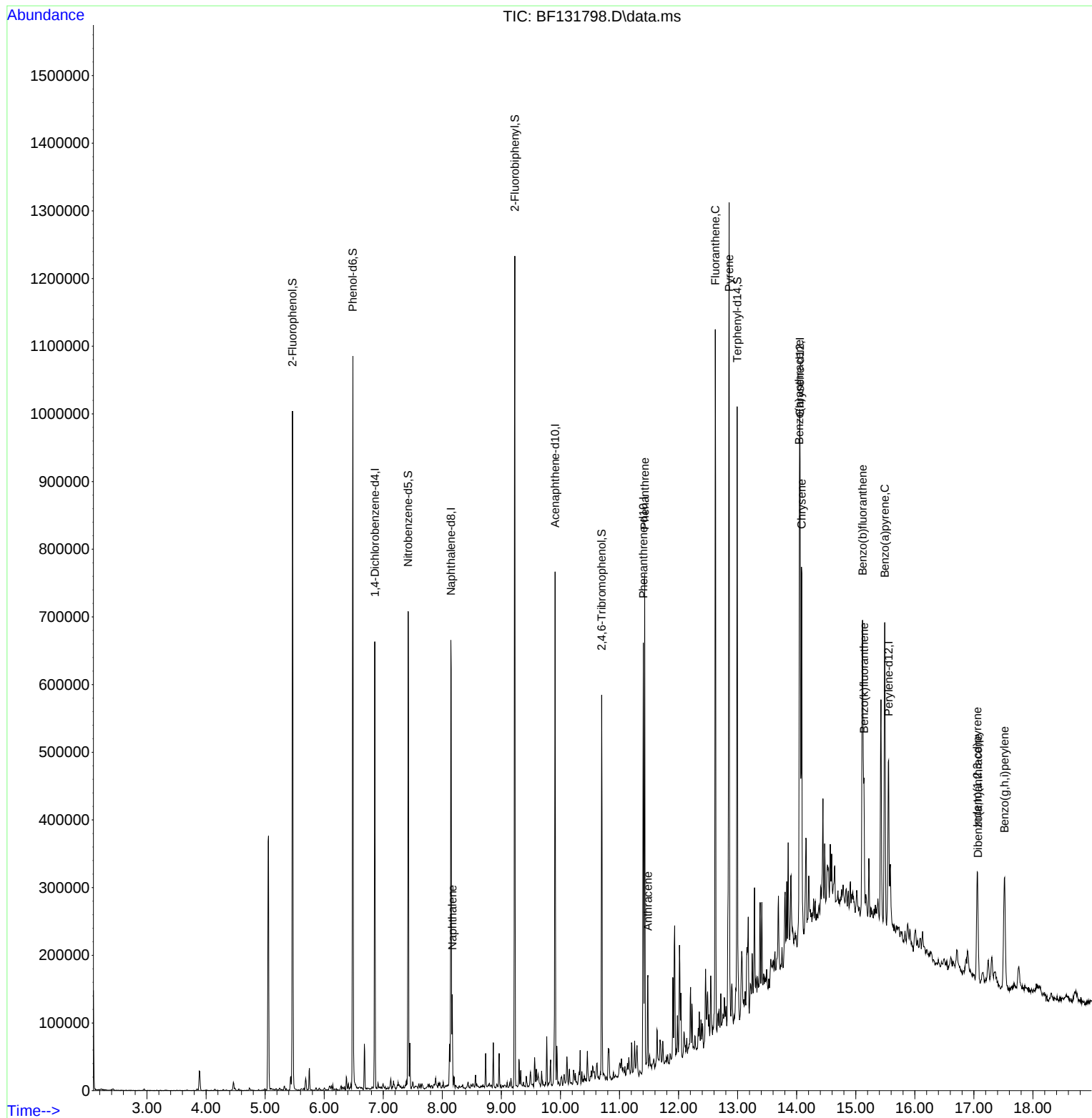
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131798.D
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ALS Vial : 21 Sample Multiplier: 1

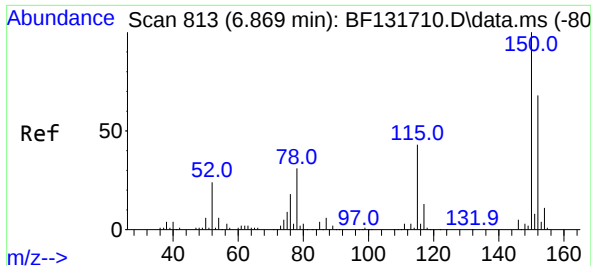
Instrument :
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Quant Time: Dec 23 03:39:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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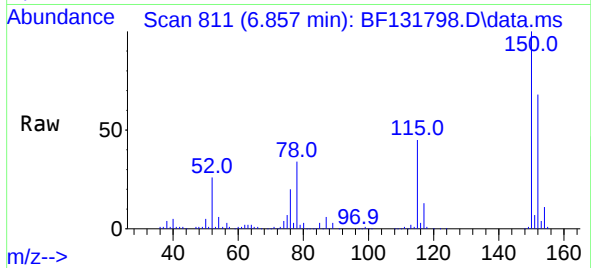
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

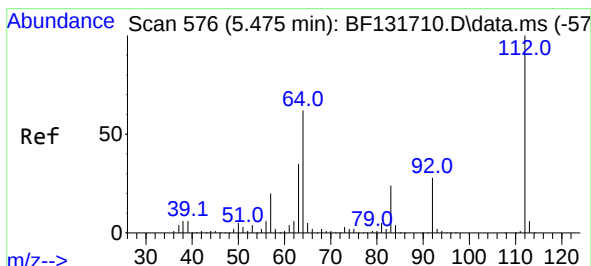
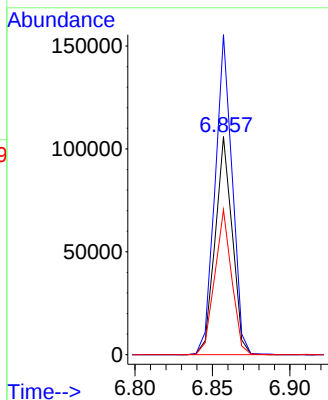
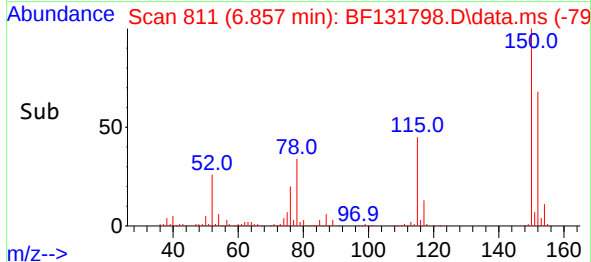
Instrument :
BNA_F
ClientSampleId :
FS-01-(0-2)DL



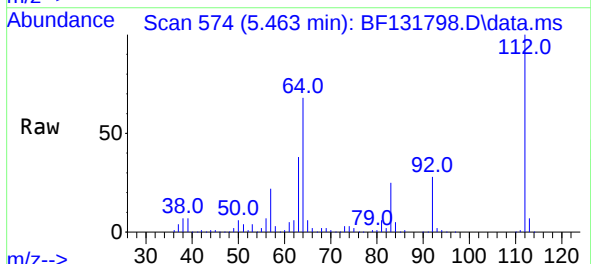
Tgt Ion:152 Resp: 8153
Ion Ratio Lower Upper
152 100
150 146.8 117.4 176.0
115 66.5 50.2 75.4

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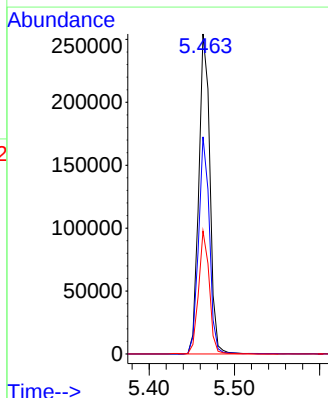
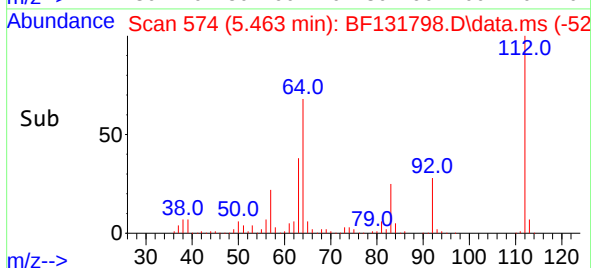
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Supervised By :Jagrut Upadhyay 12/24/2022

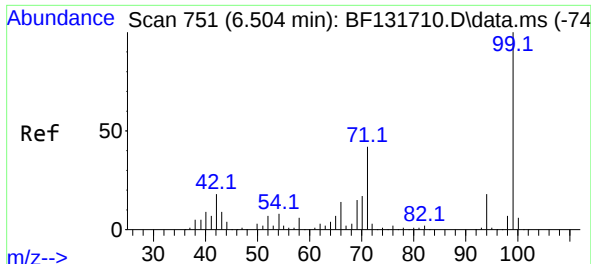


#5
2-Fluorophenol
Concen: 47.747 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45



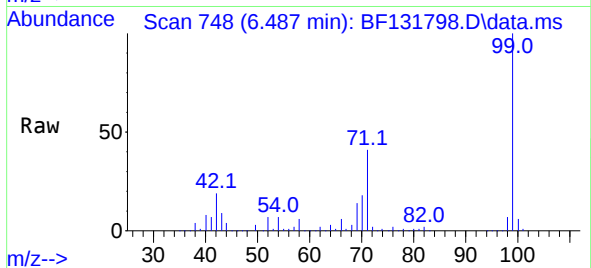
Tgt Ion:112 Resp: 231196
Ion Ratio Lower Upper
112 100
64 67.9 49.5 74.3
63 38.4 28.2 42.2





#7
Phenol-d6
Concen: 46.660 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

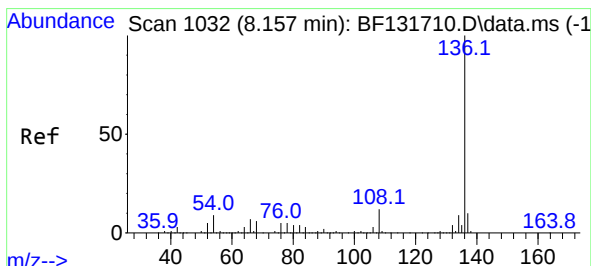
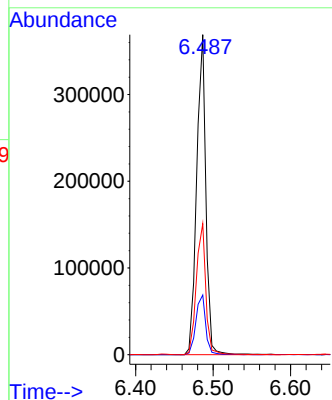
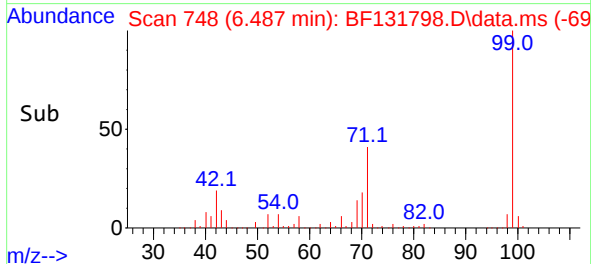
Instrument :
BNA_F
ClientSampleId :
FS-01-(0-2)DL



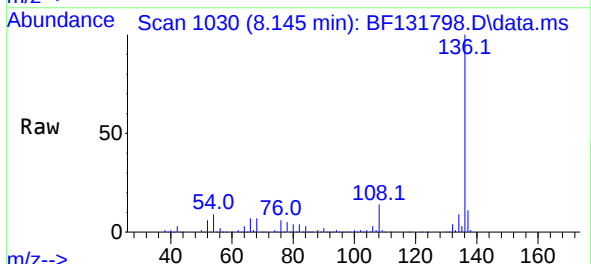
Tgt Ion: 99 Resp: 304099
Ion Ratio Lower Upper
99 100
42 18.7 14.8 22.2
71 40.9 33.8 50.6

Manual Integrations
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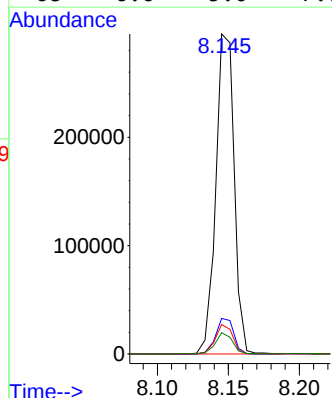
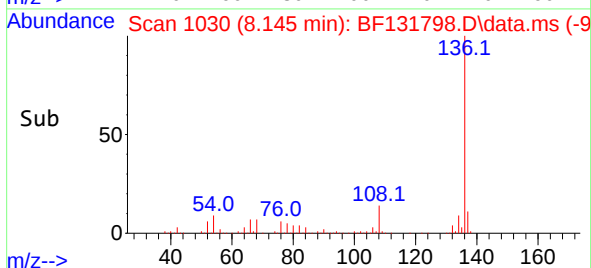
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Supervised By :Jagrut Upadhyay 12/24/2022

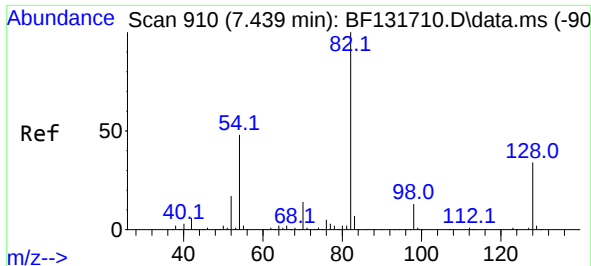


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45



Tgt Ion:136 Resp: 265884
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 9.2 7.2 10.8
68 6.6 5.0 7.6





#23
Nitrobenzene-d5
Concen: 33.181 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

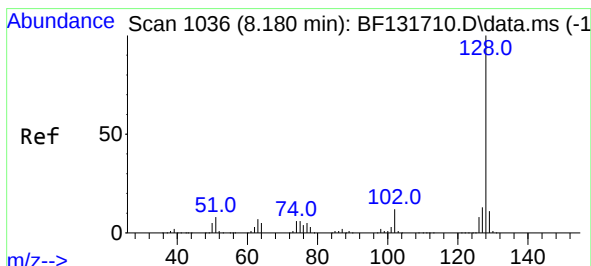
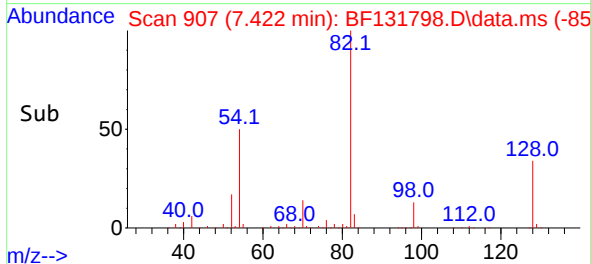
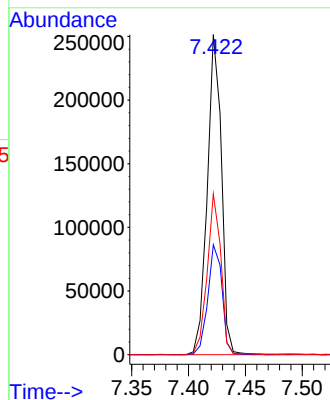
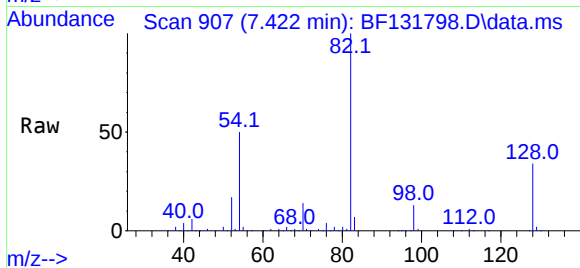
FS-01-(0-2)DL

Tgt Ion: 82 Resp: 217310
Ion Ratio Lower Upper
82 100
128 34.3 27.3 40.9
54 50.3 38.2 57.2

Manual Integrations

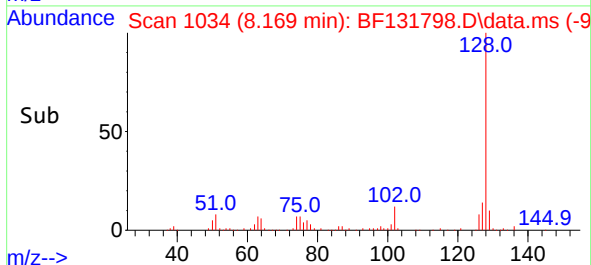
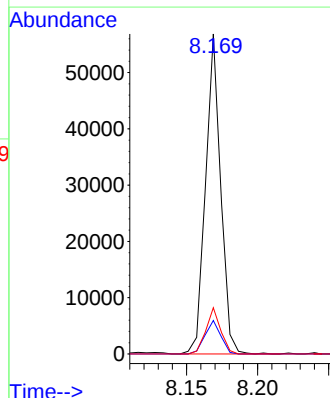
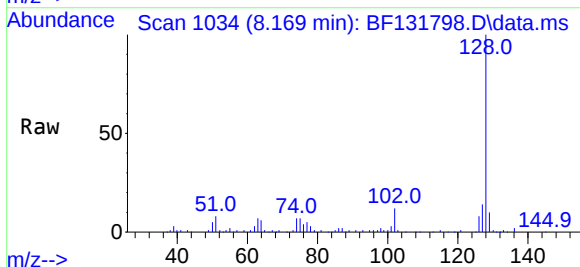
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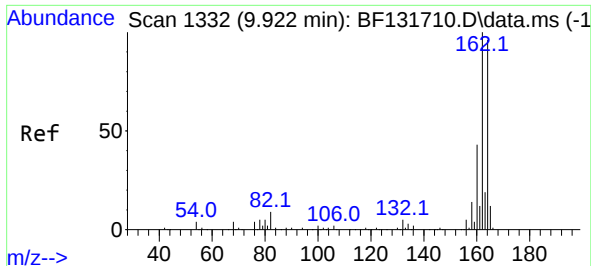
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#31
Naphthalene
Concen: 2.908 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Tgt Ion:128 Resp: 42227
Ion Ratio Lower Upper
128 100
129 10.4 8.9 13.3
127 14.5 10.6 15.8





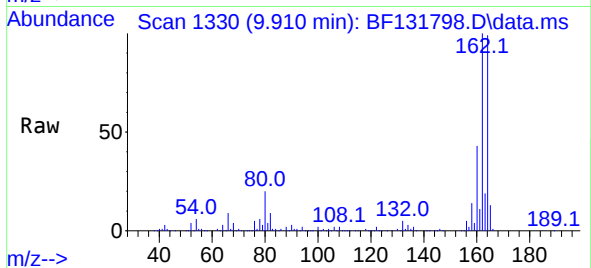
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

FS-01-(0-2)DL

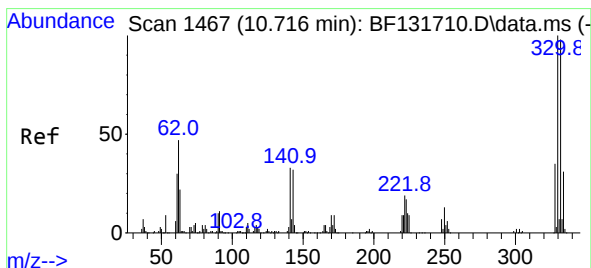
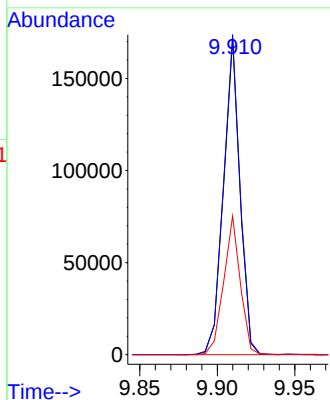
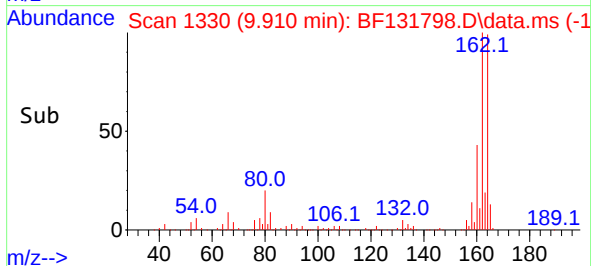


Tgt Ion:164 Resp: 126460
Ion Ratio Lower Upper
164 100
162 101.2 83.7 125.5
160 43.8 36.2 54.4

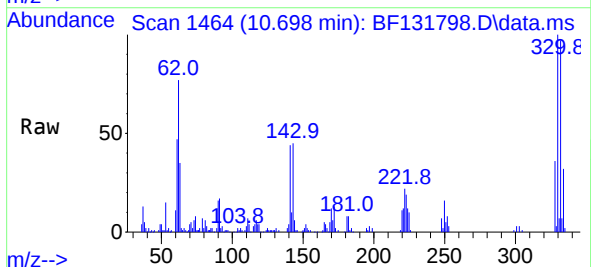
Manual Integrations

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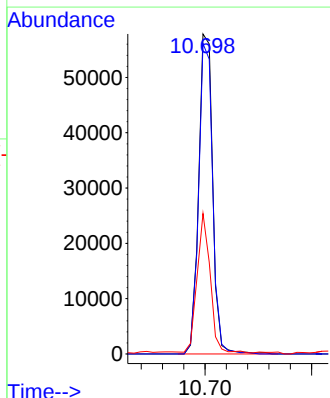
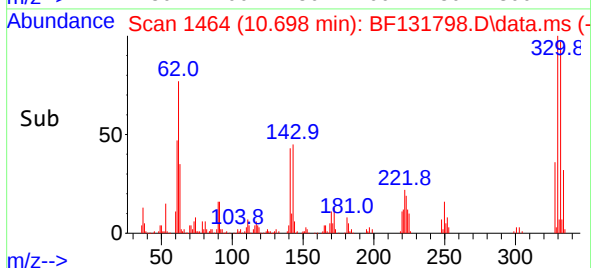
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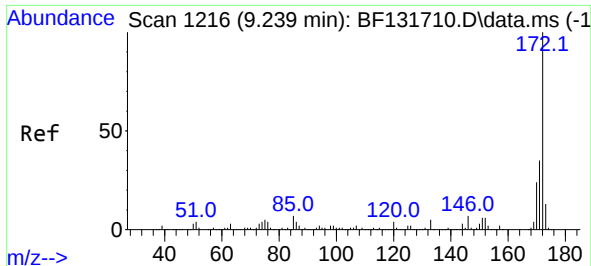


#42
2,4,6-Tribromophenol
Concen: 38.392 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45



Tgt Ion:330 Resp: 53140
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 40.6 30.4 45.6





#45
2-Fluorobiphenyl
Concen: 35.926 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

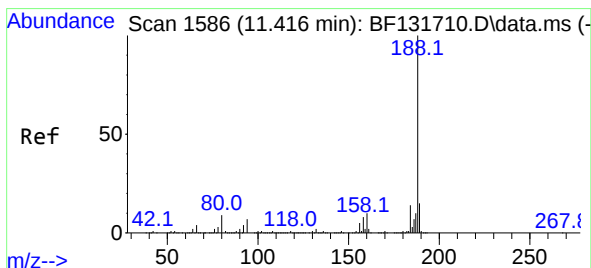
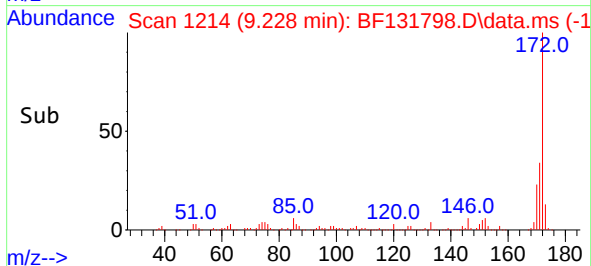
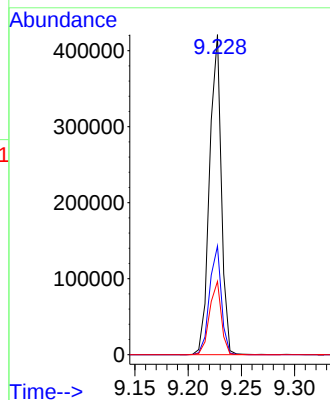
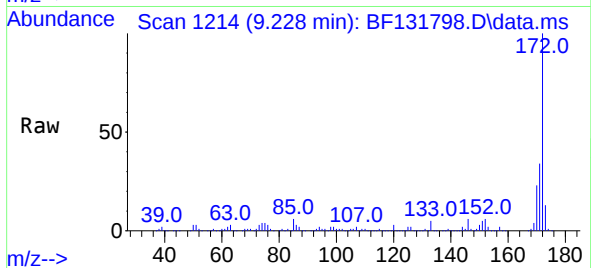
FS-01-(0-2)DL

Tgt Ion:172 Resp: 324325
Ion Ratio Lower Upper
172 100
171 33.9 27.9 41.9
170 22.9 19.0 28.4

Manual Integrations

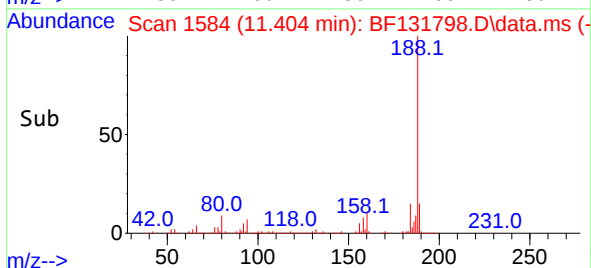
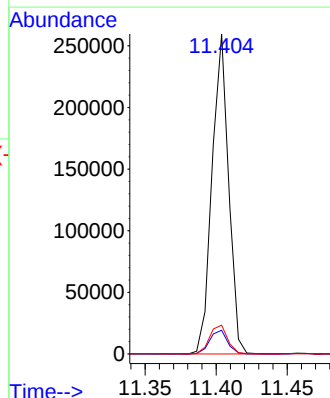
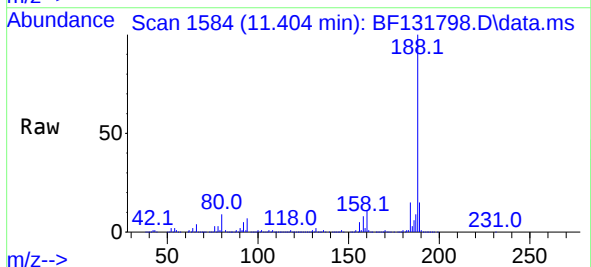
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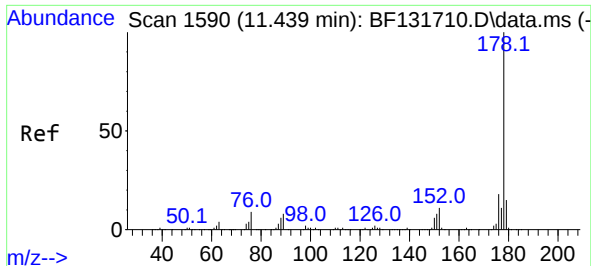
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Tgt Ion:188 Resp: 211197
Ion Ratio Lower Upper
188 100
94 7.4 5.9 8.9
80 9.0 7.0 10.6





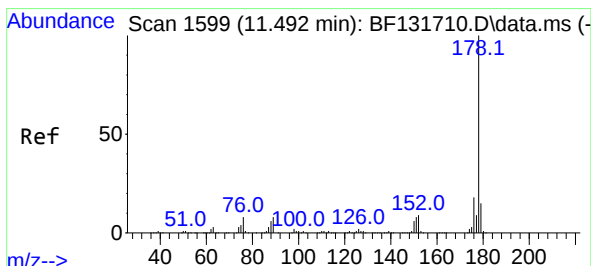
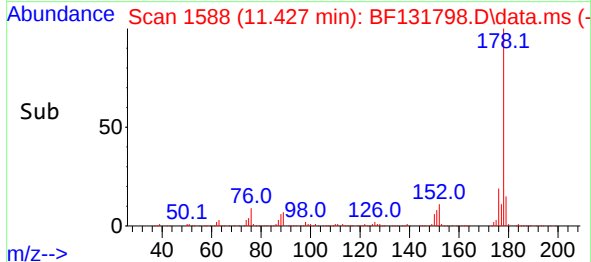
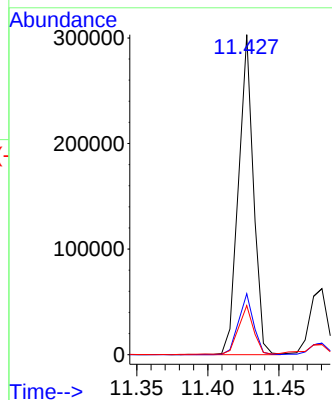
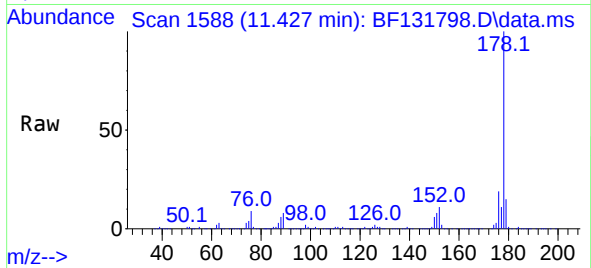
#71
Phenanthrene
Concen: 19.343 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Instrument :
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FS-01-(0-2)DL

Tgt Ion:178 Resp: 222768
Ion Ratio Lower Upper
178 100
176 19.1 14.8 22.2
179 15.4 12.2 18.4

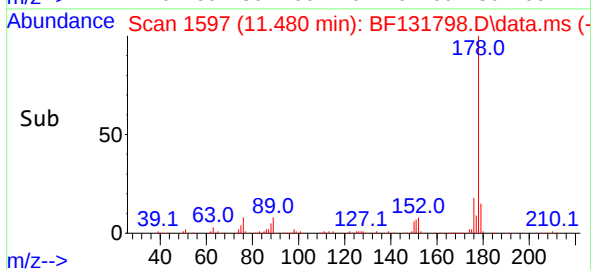
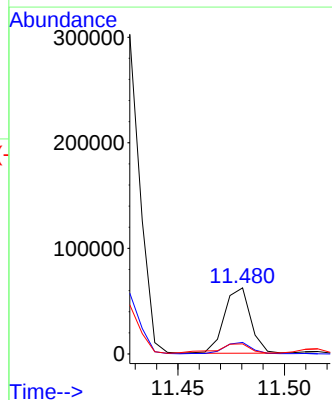
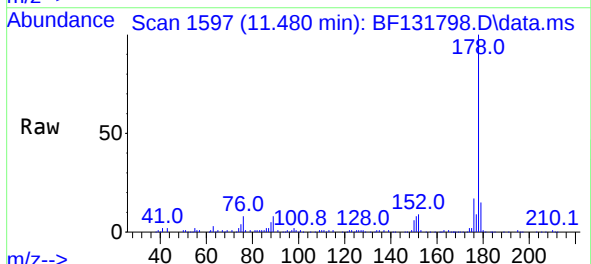
Manual Integrations
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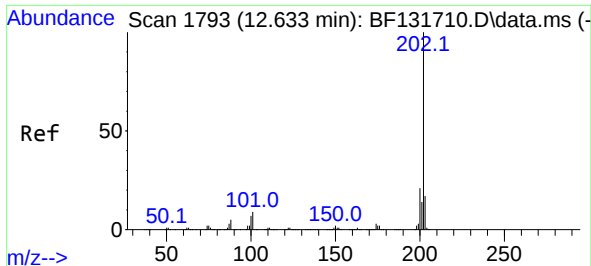
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#72
Anthracene
Concen: 4.720 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

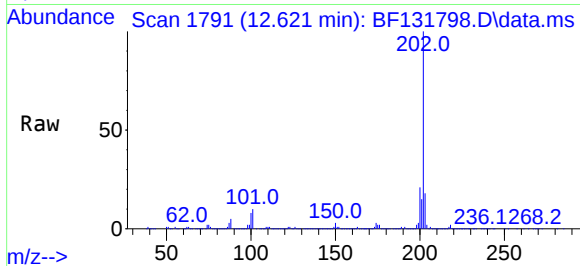
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Ion Ratio Lower Upper
178 100
176 17.4 14.6 21.8
179 15.3 12.2 18.4





#75
Fluoranthene
Concen: 30.252 ng
RT: 12.621 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

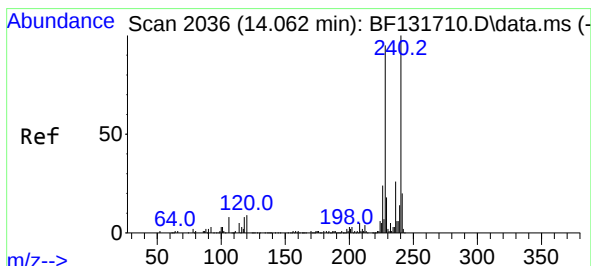
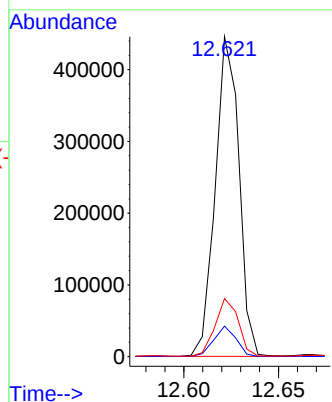
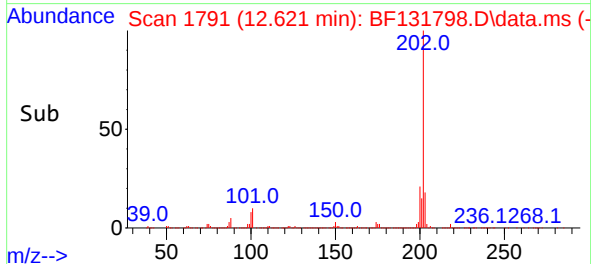
Instrument :
BNA_F
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FS-01-(0-2)DL



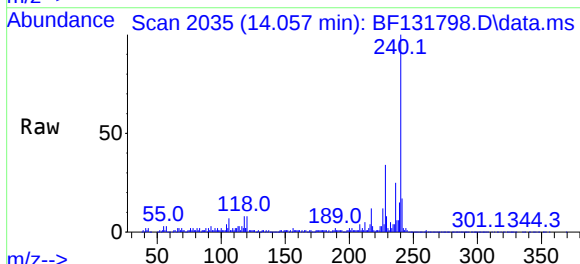
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Ion Ratio Lower Upper
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203 18.2 0.0 37.1

Manual Integrations
APPROVED

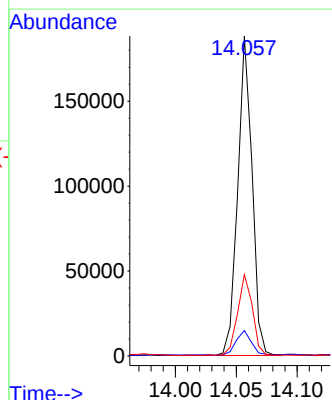
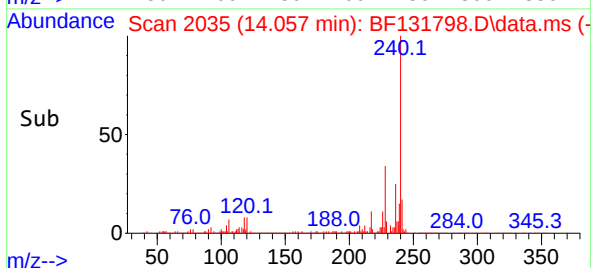
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022

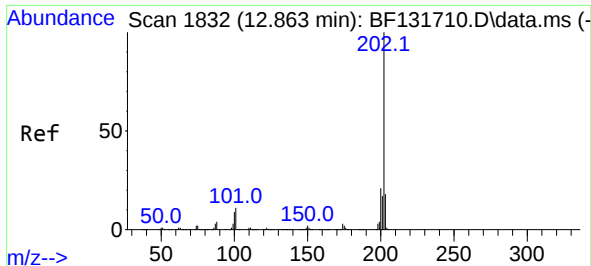


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45



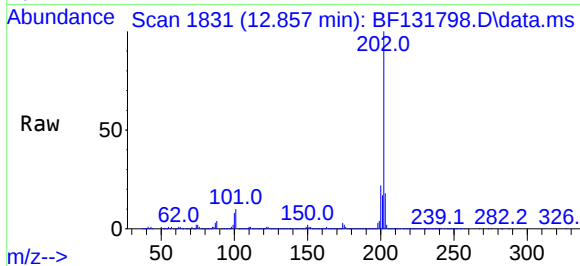
Tgt Ion:240 Resp: 154291
Ion Ratio Lower Upper
240 100
120 8.0 7.6 11.4
236 25.4 21.2 31.8





#78
Pyrene
Concen: 34.353 ng
RT: 12.857 min Scan# 1831
Delta R.T. 0.006 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

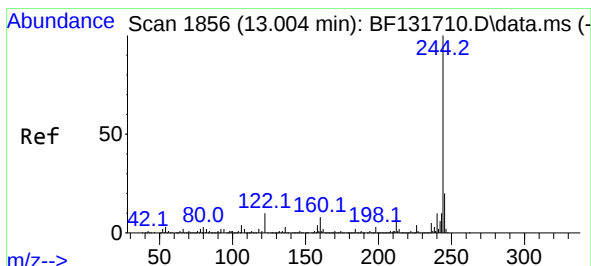
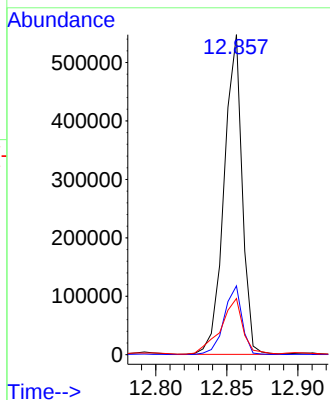
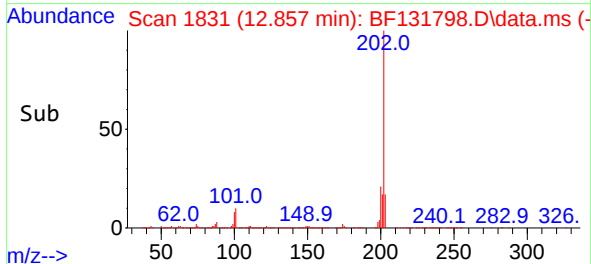
Instrument :
BNA_F
ClientSampleId :
FS-01-(0-2)DL



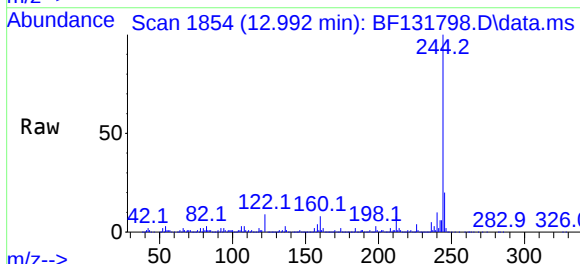
Tgt Ion:202 Resp: 48190
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 17.6 14.1 21.1

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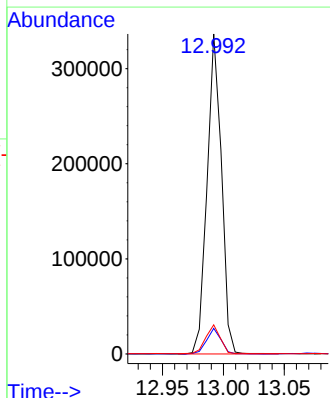
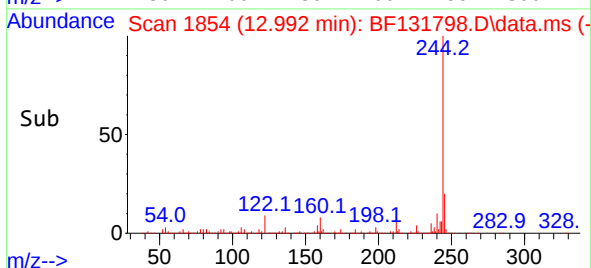
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022

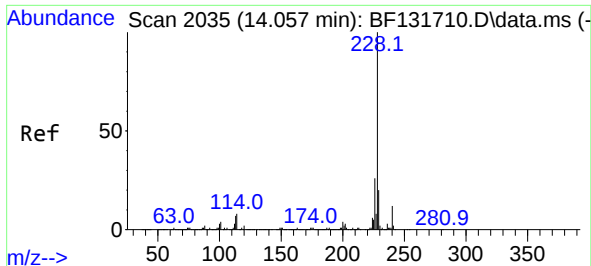


#79
Terphenyl-d14
Concen: 27.809 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45



Tgt Ion:244 Resp: 275304
Ion Ratio Lower Upper
244 100
212 8.0 6.5 9.7
122 9.1 7.7 11.5





#81
Benzo(a)anthracene
Concen: 22.499 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

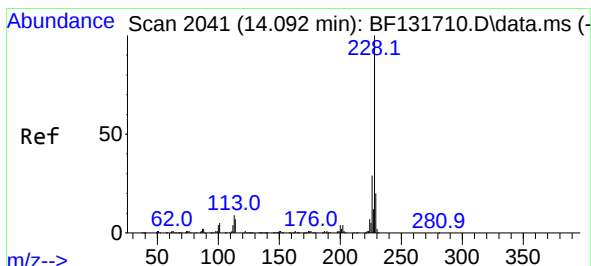
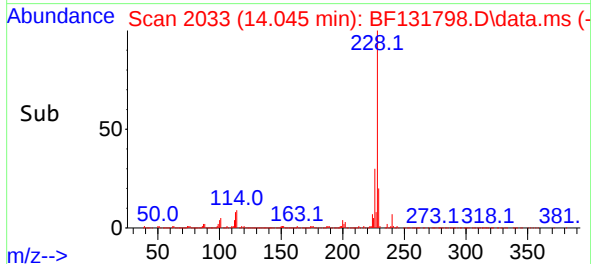
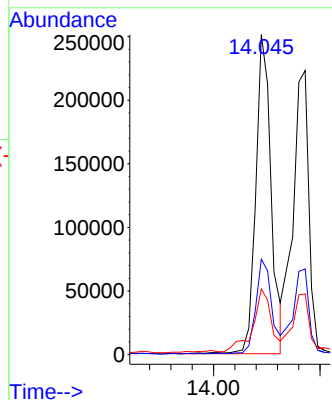
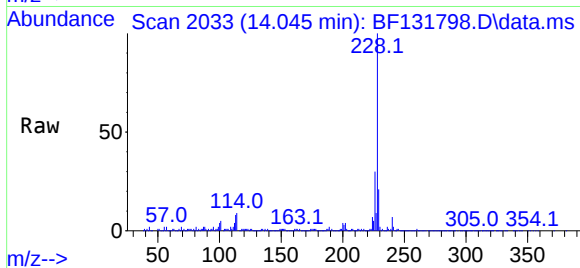
FS-01-(0-2)DL

Tgt Ion:228 Resp: 250017
Ion Ratio Lower Upper
228 100
226 29.9 21.0 31.4
229 20.6 15.8 23.8

Manual Integrations

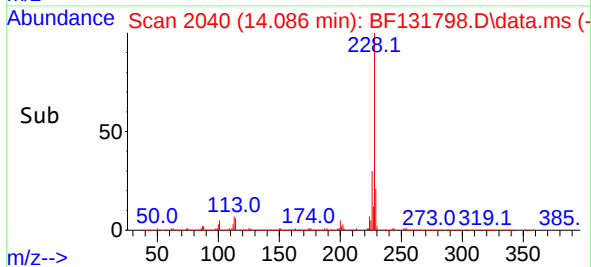
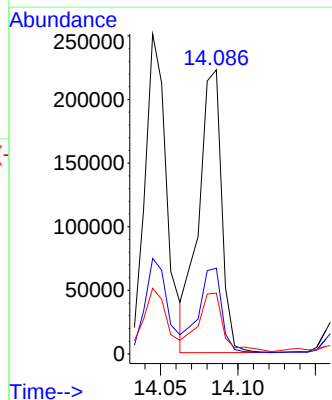
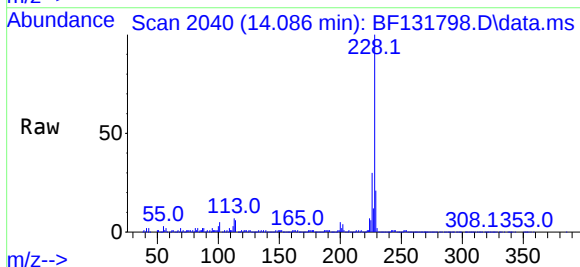
APPROVED

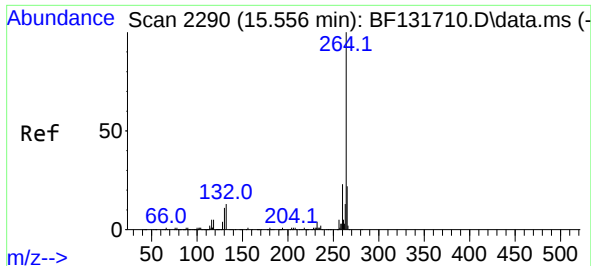
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#83
Chrysene
Concen: 22.001 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.012 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Tgt Ion:228 Resp: 230747
Ion Ratio Lower Upper
228 100
226 30.2 23.5 35.3
229 21.4 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

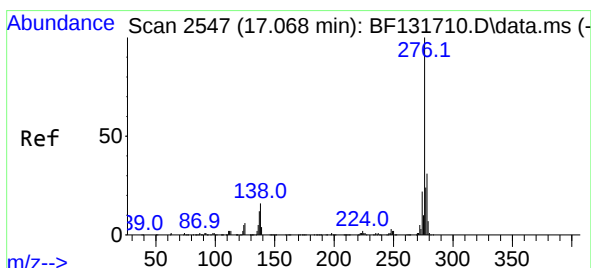
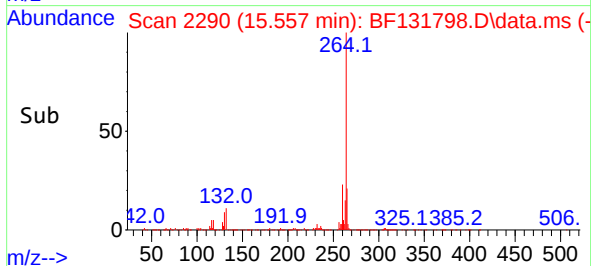
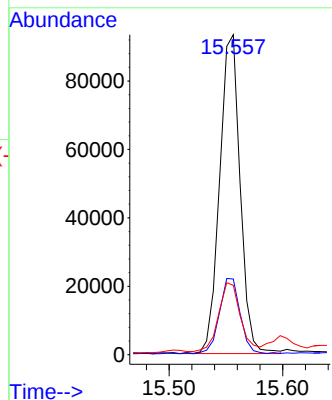
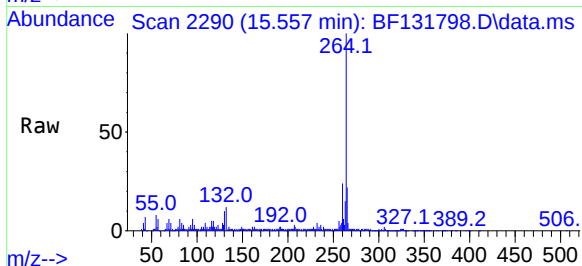
FS-01-(0-2)DL

Tgt Ion:264 Resp: 11728
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 21.7 17.4 26.2

Manual Integrations

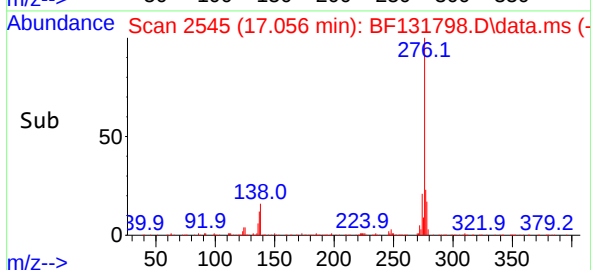
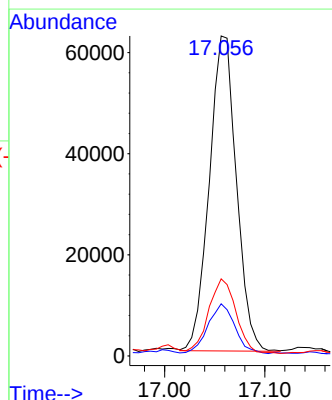
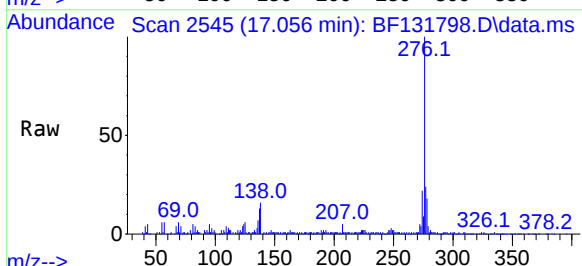
APPROVED

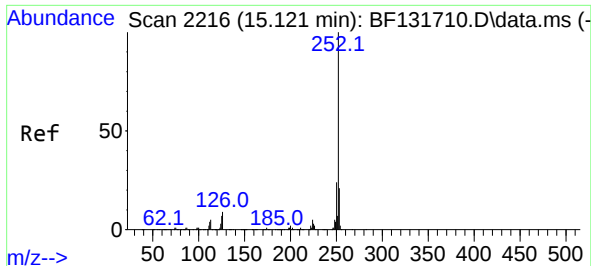
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.883 ng
RT: 17.056 min Scan# 2545
Delta R.T. 0.017 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

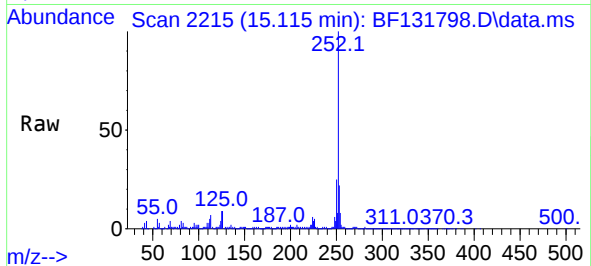
Tgt Ion:276 Resp: 117242
Ion Ratio Lower Upper
276 100
138 15.7 14.4 21.6
277 23.9 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 32.113 ng m
RT: 15.115 min Scan# 2115
Delta R.T. 0.017 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

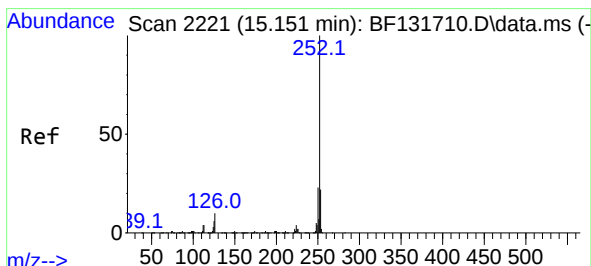
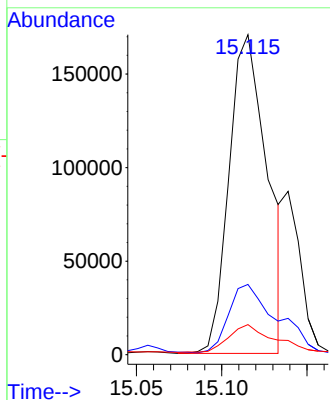
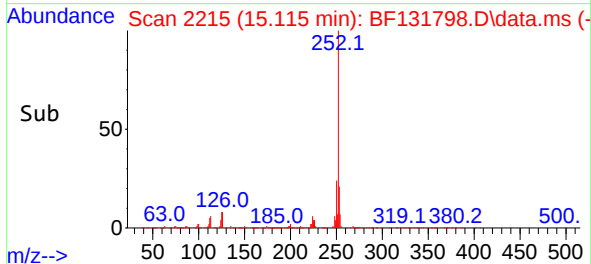
Instrument :
BNA_F
ClientSampleId :
FS-01-(0-2)DL



Tgt Ion:252 Resp: 266460
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 9.4 5.5 8.3

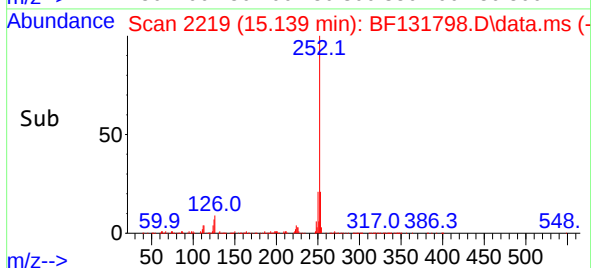
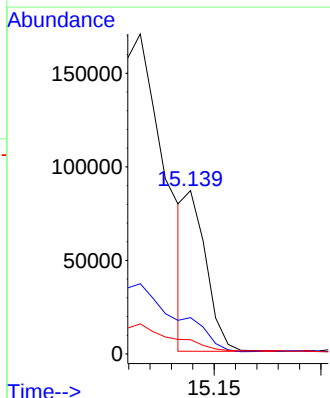
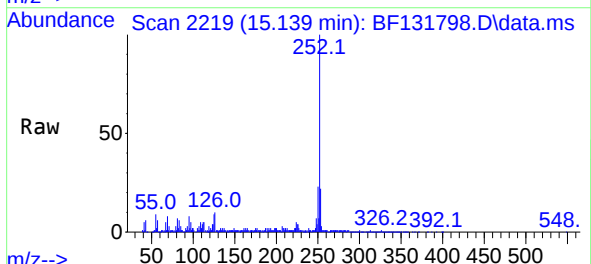
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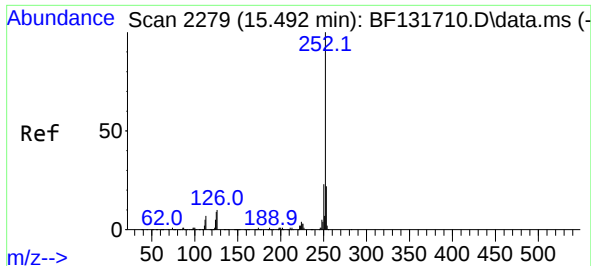
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#89
Benzo(k)fluoranthene
Concen: 7.321 ng m
RT: 15.139 min Scan# 2219
Delta R.T. 0.012 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Tgt Ion:252 Resp: 59275
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 8.7 5.2 7.8





#90
Benzo(a)pyrene
Concen: 32.004 ng
RT: 15.492 min Scan# 21034
Delta R.T. 0.017 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

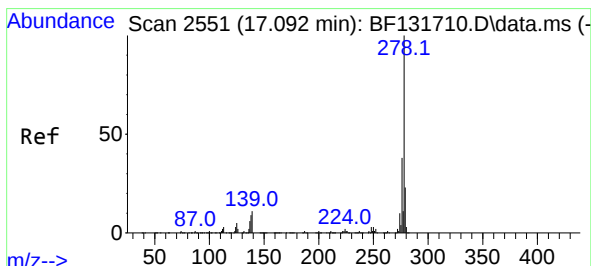
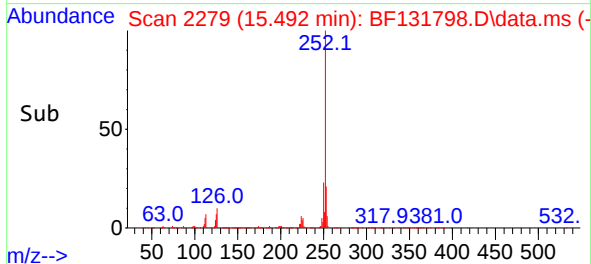
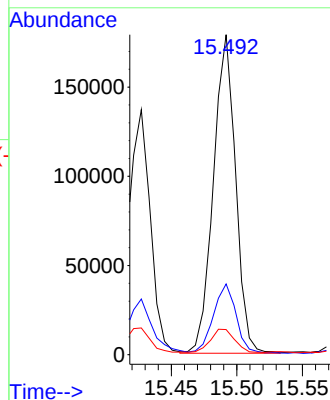
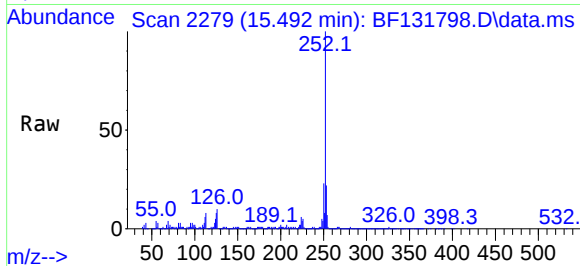
FS-01-(0-2)DL

Tgt Ion:252 Resp: 21034
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 7.9 7.0 10.4

Manual Integrations

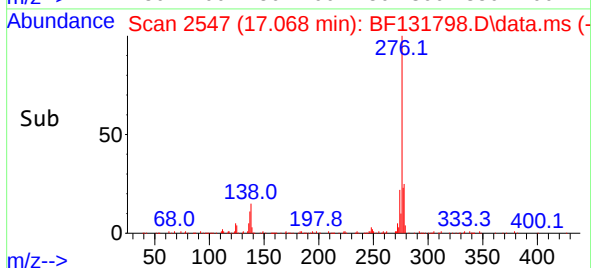
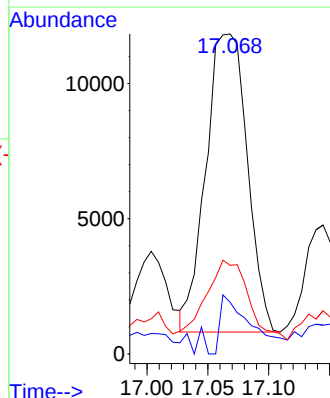
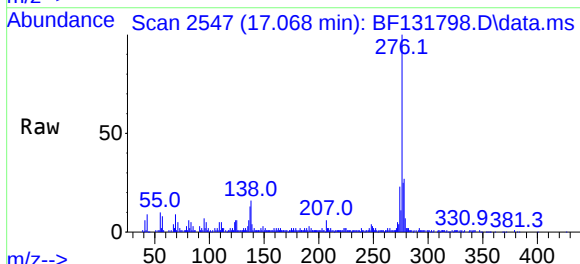
APPROVED

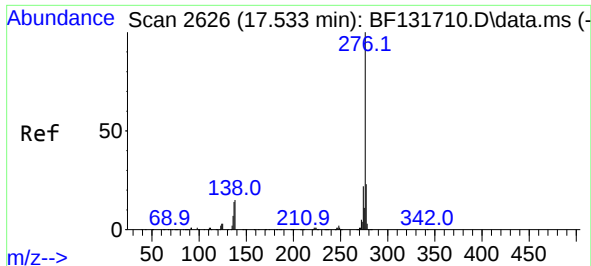
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.002 ng
RT: 17.068 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Tgt Ion:278 Resp: 26051
Ion Ratio Lower Upper
278 100
139 16.1 8.7 13.1#
279 27.7 18.7 28.1





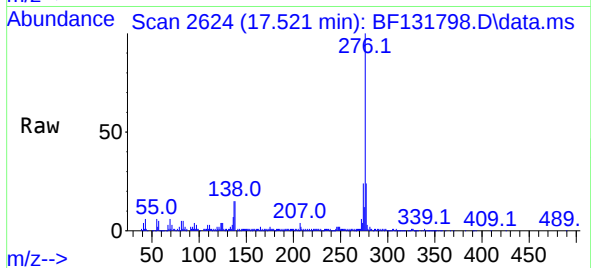
#92
Benzo(g,h,i)perylene
Concen: 22.973 ng
RT: 17.521 min Scan# 20
Delta R.T. 0.023 min
Lab File: BF131798.D
Acq: 23 Dec 2022 02:45

Instrument :

BNA_F

ClientSampleId :

FS-01-(0-2)DL



Tgt Ion:276 Resp: 147820
Ion Ratio Lower Upper
276 100
277 23.9 18.3 27.5
138 15.1 12.3 18.5

Manual Integrations

APPROVED

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

