

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129631.D
 Acq On : 08 Aug 2022 14:15
 Operator : CG\JU
 Sample : N4054-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080422

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

Quant Time: Aug 08 14:39:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	149392	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	554175	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	250424	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	375569	20.000	ng	0.00
76) Chrysene-d12	14.033	240	256769	20.000	ng	0.00
86) Perylene-d12	15.509	264	203208	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	786568	85.769	ng	0.00
7) Phenol-d6	6.492	99	970003	84.150	ng	-0.01
23) Nitrobenzene-d5	7.404	82	594553	58.566	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	182407	75.762	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	993260	61.357	ng	-0.01
79) Terphenyl-d14	12.957	244	893105	65.620	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.145	128	183064	6.502	ng	99
37) 2-Methylnaphthalene	8.833	142	88901	4.859	ng	100
38) 1-Methylnaphthalene	8.933	142	82070	4.646	ng	97
49) Acenaphthylene	9.739	152	264210	11.769	ng	99
52) Acenaphthene	9.910	154	204729	13.963	ng	100
55) Dibenzofuran	10.086	168	166835	8.254	ng	100
58) Fluorene	10.427	166	271389	16.781	ng	98
71) Phenanthrene	11.404	178	1986489	96.896	ng	100
72) Anthracene	11.451	178	720113	35.743	ng	99
73) Carbazole	11.604	167	155601	8.205	ng	100
75) Fluoranthene	12.604	202	4323689	208.145	ng	95
78) Pyrene	12.839	202	3962331	184.537	ng	98
81) Benzo(a)anthracene	14.021	228	2148090	122.469	ng	96
83) Chrysene	14.057	228	1644382	99.475	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	916307	66.961	ng	# 93
88) Benzo(b)fluoranthene	15.086	252	2090838m	155.113	ng	
89) Benzo(k)fluoranthene	15.110	252	697960m	52.838	ng	
90) Benzo(a)pyrene	15.457	252	1436677	131.296	ng	98
91) Dibenzo(a,h)anthracene	17.015	278	235923	21.182	ng	# 91
92) Benzo(g,h,i)perylene	17.468	276	839701	73.782	ng	98

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

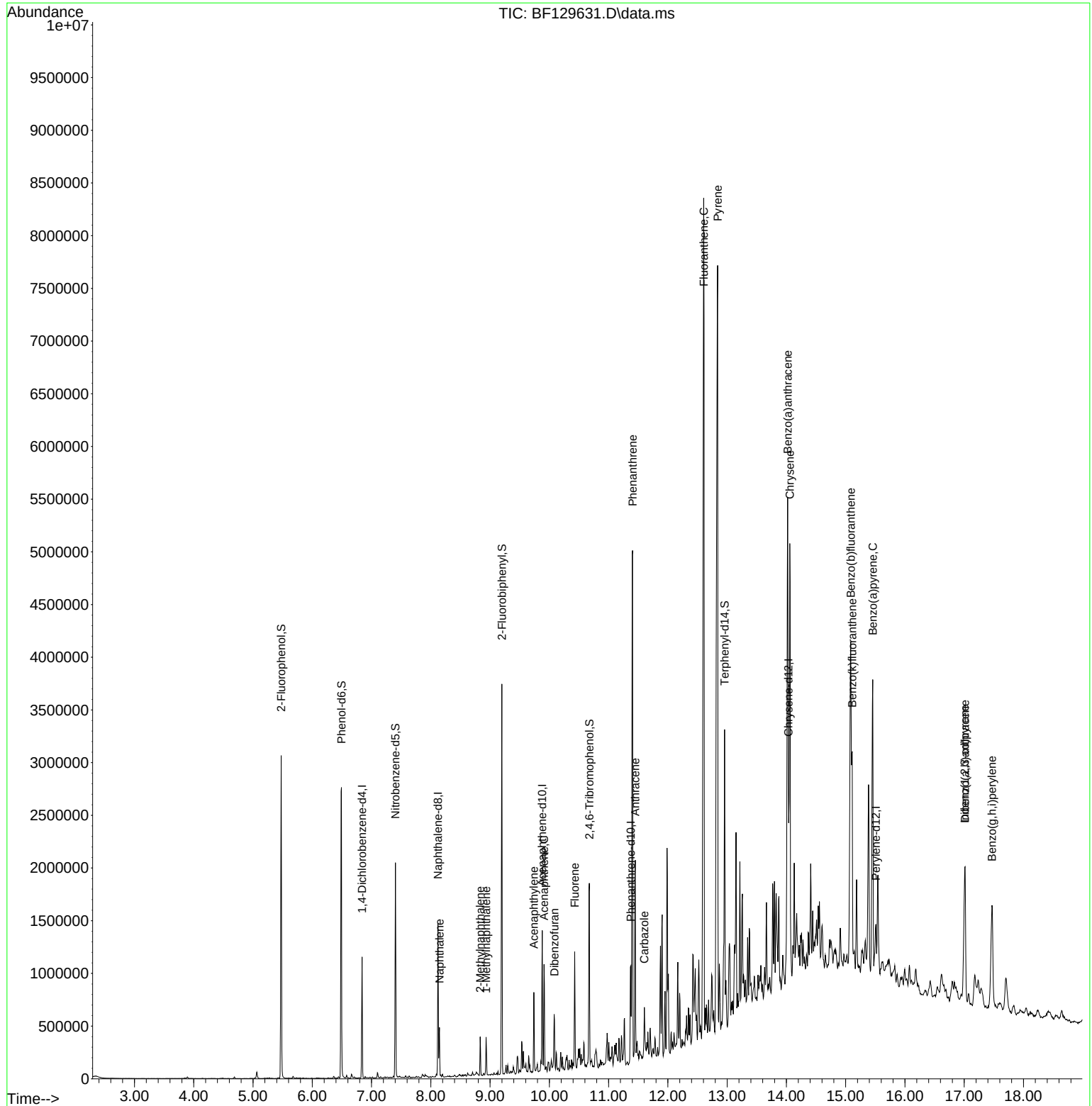
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
Data File : BF129631.D
Acq On : 08 Aug 2022 14:15
Operator : CG\JU
Sample : N4054-01
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ALS Vial : 6 Sample Multiplier: 1

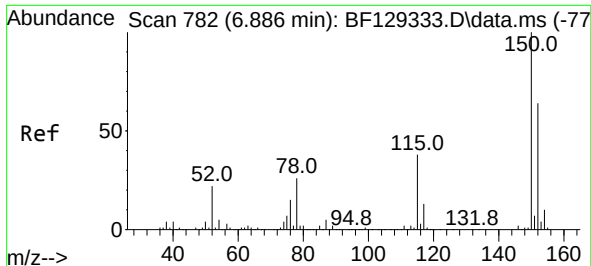
Instrument :
BNA_F
ClientSampleId :
OR-02-080422

Quant Time: Aug 08 14:39:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 16:27:34 2022
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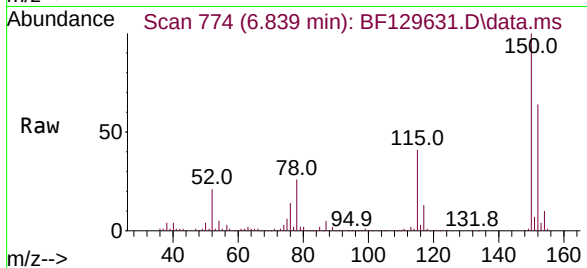
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

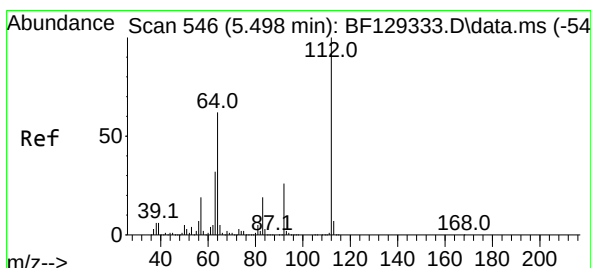
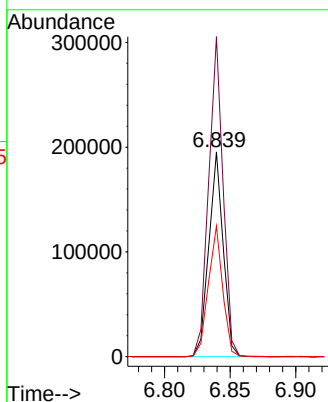
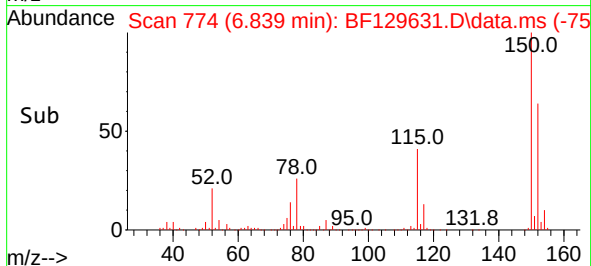
Instrument :
BNA_F
ClientSampleId :
OR-02-080422



Tgt Ion:152 Resp: 149392
Ion Ratio Lower Upper
152 100
150 156.4 123.7 185.5
115 63.8 49.9 74.9

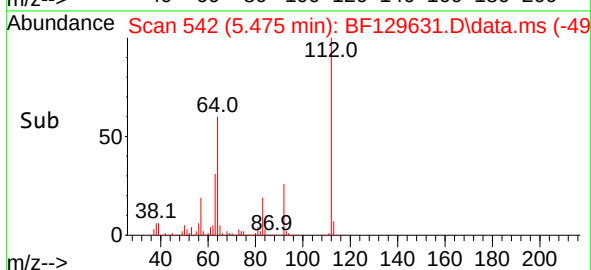
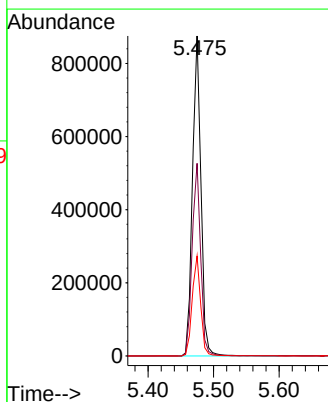
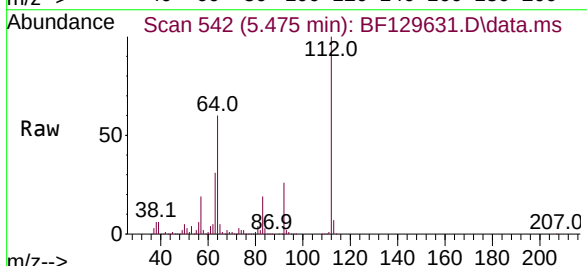
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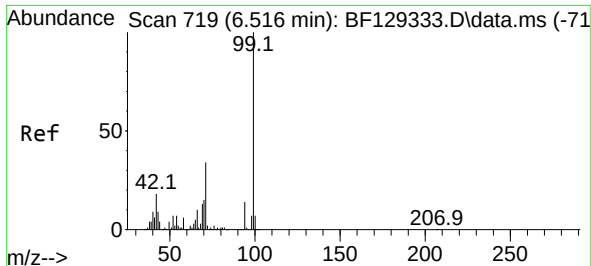
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#5
2-Fluorophenol
Concen: 85.769 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.006 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

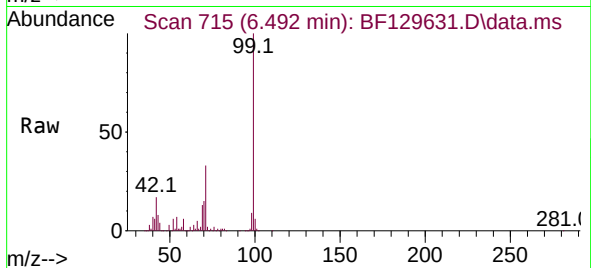
Tgt Ion:112 Resp: 786568
Ion Ratio Lower Upper
112 100
64 60.2 53.3 79.9
63 31.2 28.0 42.0





#7
Phenol-d6
Concen: 84.150 ng
RT: 6.492 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

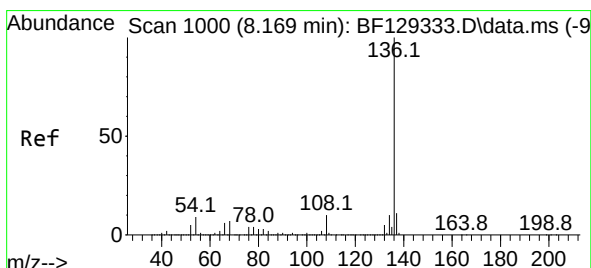
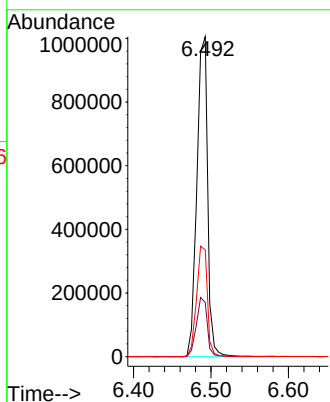
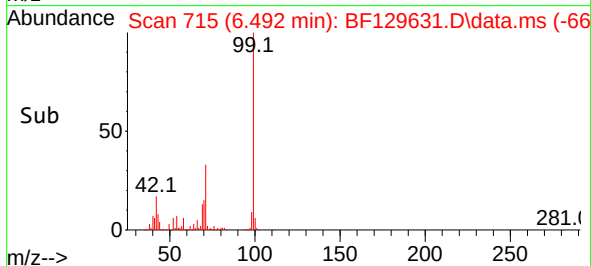
Instrument :
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ClientSampleId :
OR-02-080422



Tgt Ion: 99 Resp: 970003
Ion Ratio Lower Upper
99 100
42 16.9 17.3 25.9
71 33.3 28.9 43.3

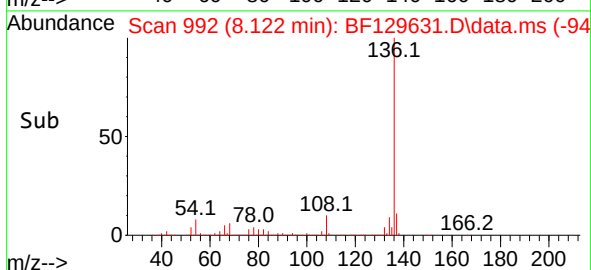
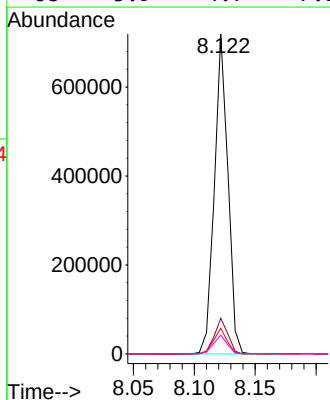
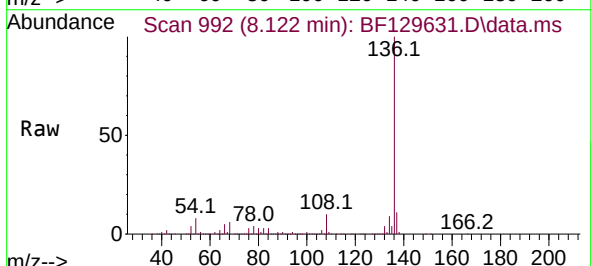
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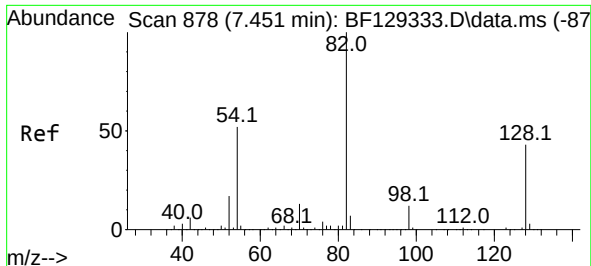
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

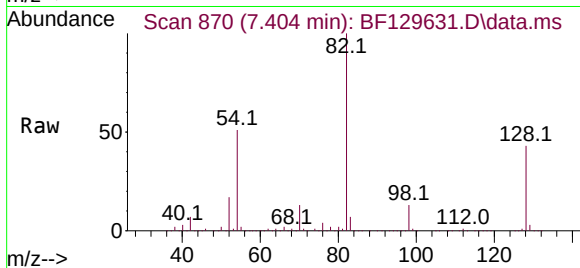
Tgt Ion:136 Resp: 554175
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.0 7.5 11.3
68 5.9 4.7 7.1





#23
Nitrobenzene-d5
Concen: 58.566 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

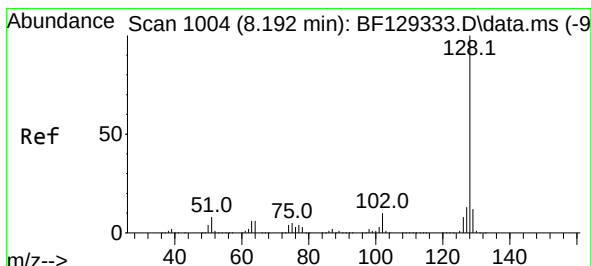
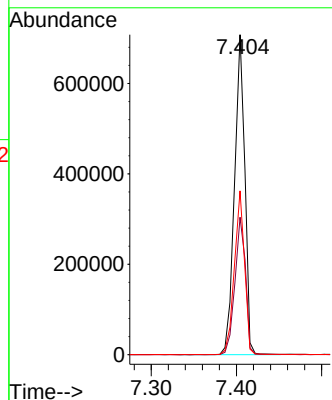
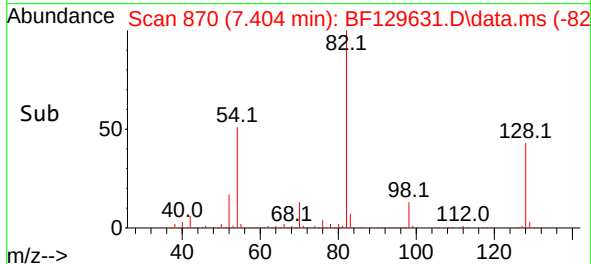
Instrument :
BNA_F
ClientSampleId :
OR-02-080422



Tgt Ion: 82 Resp: 59455
Ion Ratio Lower Upper
82 100
128 43.0 34.0 51.0
54 51.2 46.9 70.3

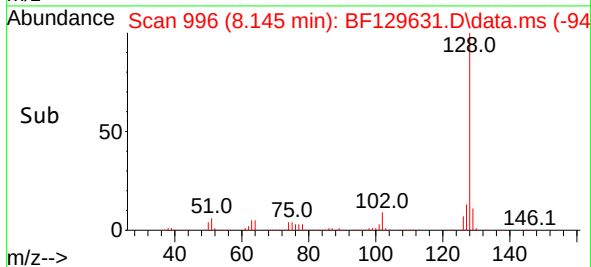
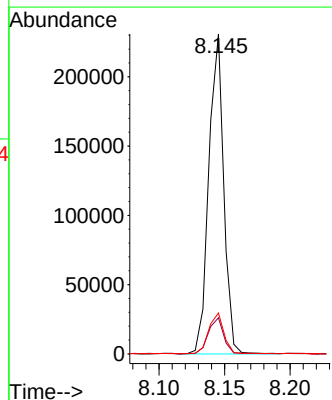
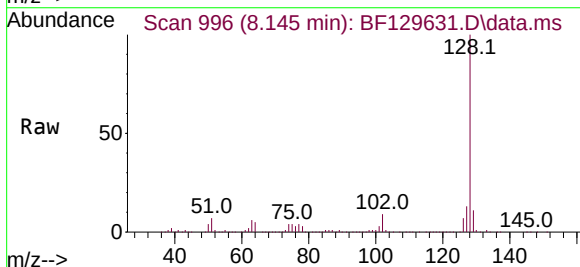
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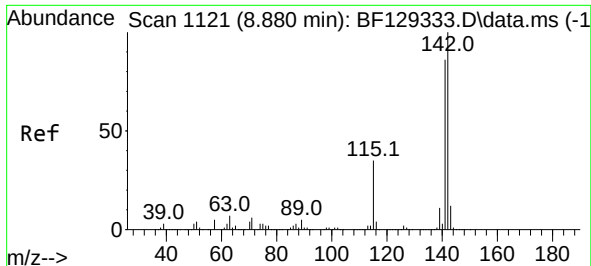
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#31
Naphthalene
Concen: 6.502 ng
RT: 8.145 min Scan# 996
Delta R.T. -0.012 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

Tgt Ion:128 Resp: 183064
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 12.8 10.5 15.7





#37

2-Methylnaphthalene

Concen: 4.859 ng

RT: 8.833 min Scan# 1113

Delta R.T. -0.018 min

Lab File: BF129631.D

Acq: 08 Aug 2022 14:15

Instrument :

BNA_F

ClientSampleId :

OR-02-080422

Tgt Ion:142 Resp: 88901

Ion Ratio Lower Upper

142 100

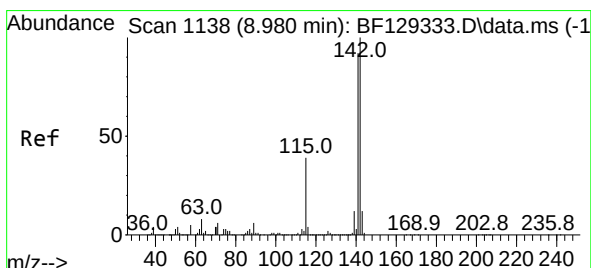
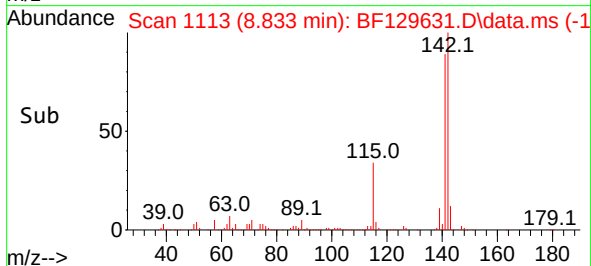
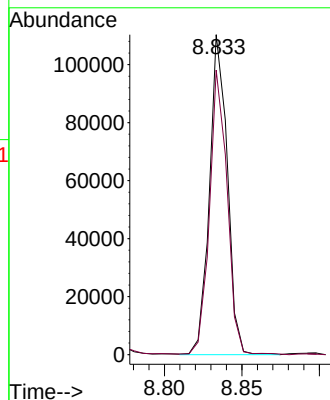
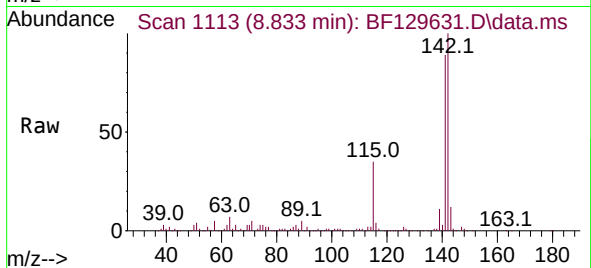
141 88.9 71.0 106.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/09/2022



#38

1-Methylnaphthalene

Concen: 4.646 ng

RT: 8.933 min Scan# 1130

Delta R.T. -0.018 min

Lab File: BF129631.D

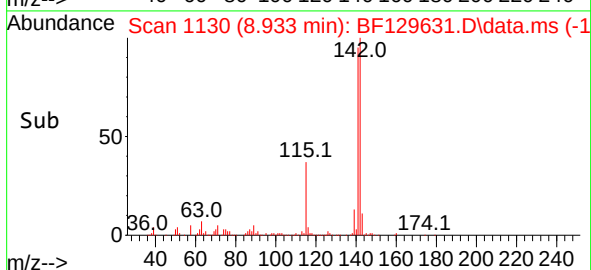
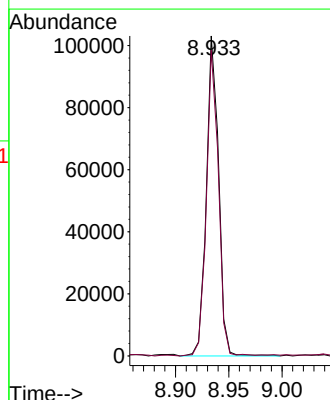
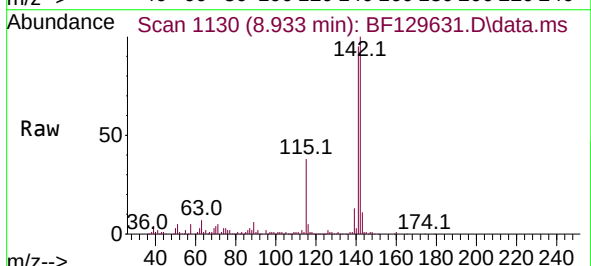
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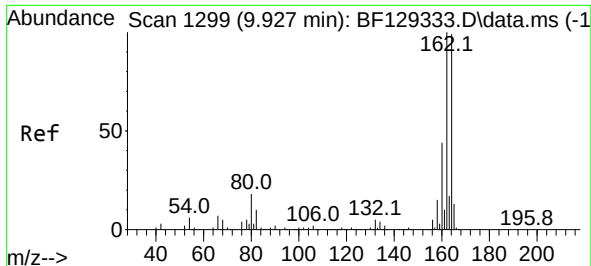
Tgt Ion:142 Resp: 82070

Ion Ratio Lower Upper

142 100

141 95.5 74.2 111.4





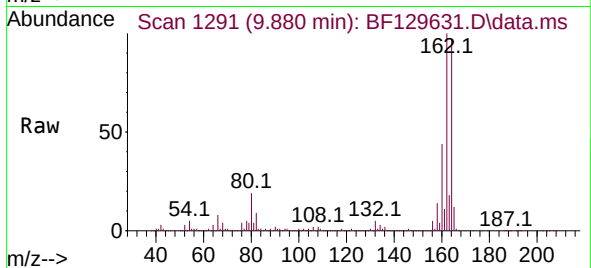
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

Instrument :

BNA_F

ClientSampleId :

OR-02-080422

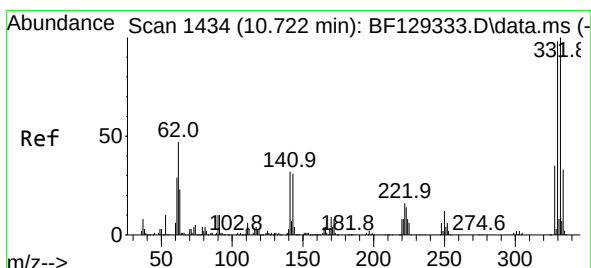
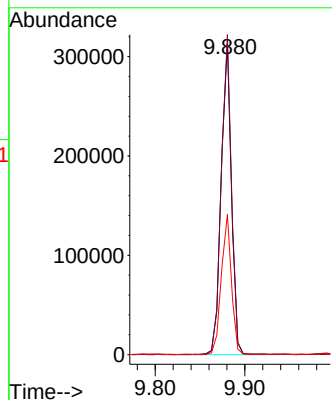
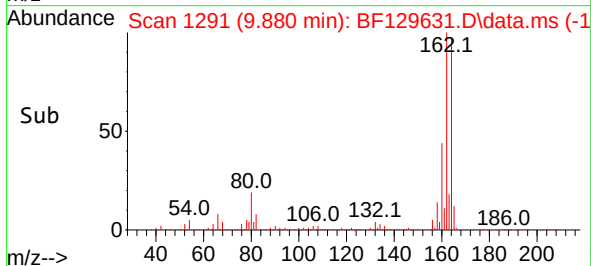


Tgt Ion:164 Resp: 250424
Ion Ratio Lower Upper
164 100
162 102.9 79.5 119.3
160 45.0 34.2 51.4

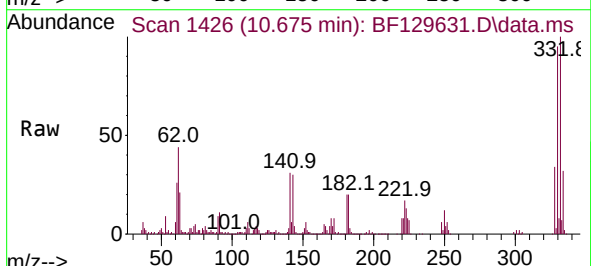
Manual Integrations

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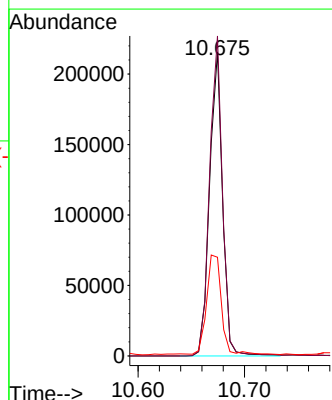
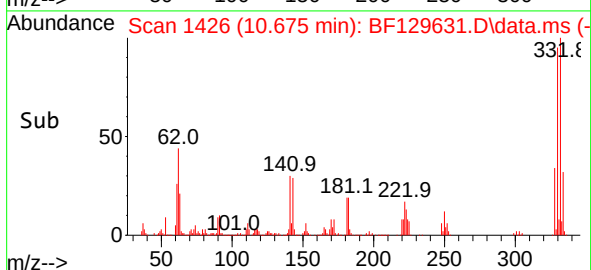
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

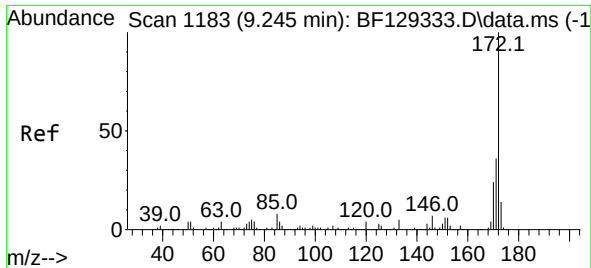


#42
2,4,6-Tribromophenol
Concen: 75.762 ng
RT: 10.675 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15



Tgt Ion:330 Resp: 182407
Ion Ratio Lower Upper
330 100
332 104.7 76.8 115.2
141 37.6 28.0 42.0





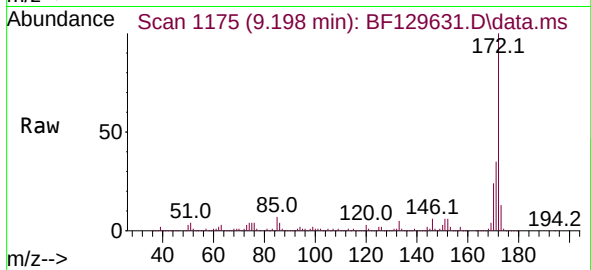
#45
2-Fluorobiphenyl
Concen: 61.357 ng
RT: 9.198 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

Instrument :

BNA_F

ClientSampleId :

OR-02-080422

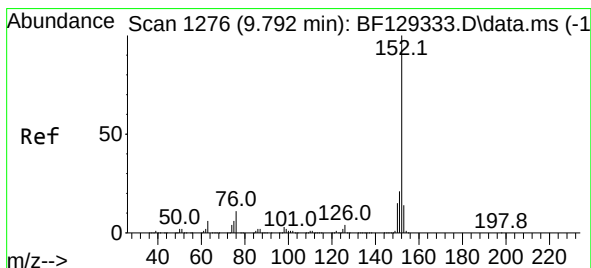
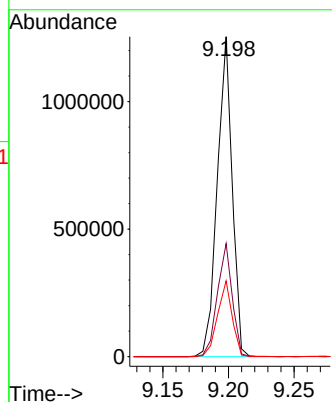
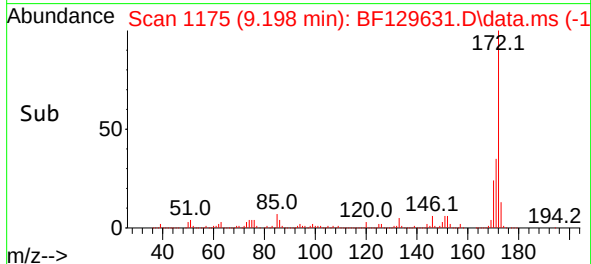


Tgt Ion:172 Resp: 993260
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.7 19.8 29.8

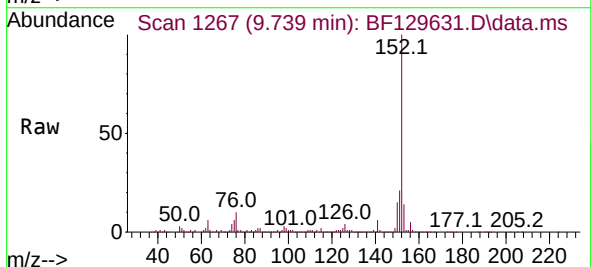
Manual Integrations

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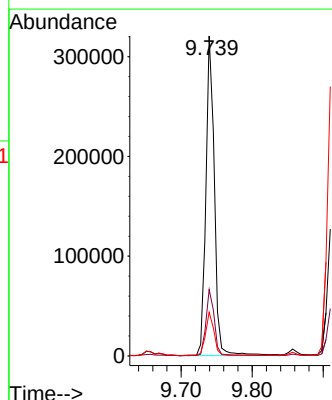
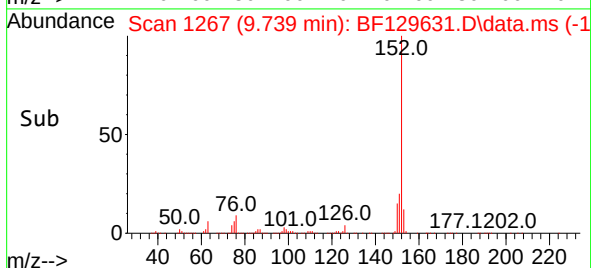
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

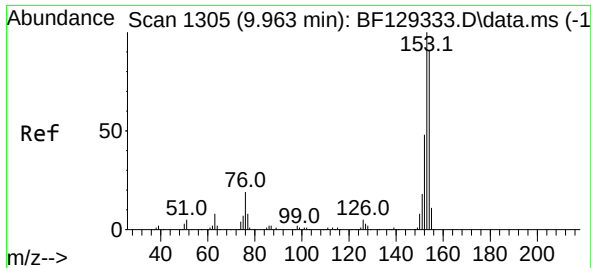


#49
Acenaphthylene
Concen: 11.769 ng
RT: 9.739 min Scan# 1267
Delta R.T. -0.018 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15



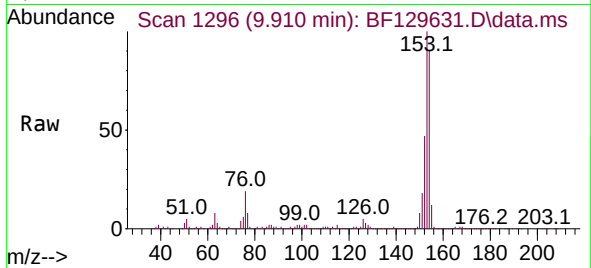
Tgt Ion:152 Resp: 264210
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4
153 13.6 10.7 16.1





#52
Acenaphthene
Concen: 13.963 ng
RT: 9.910 min Scan# 1305
Delta R.T. -0.018 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

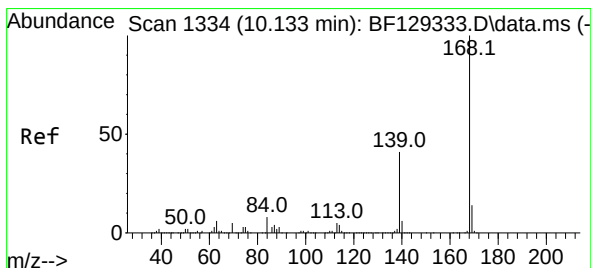
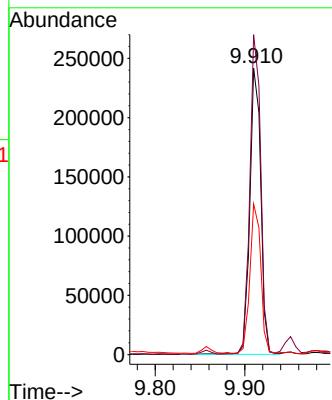
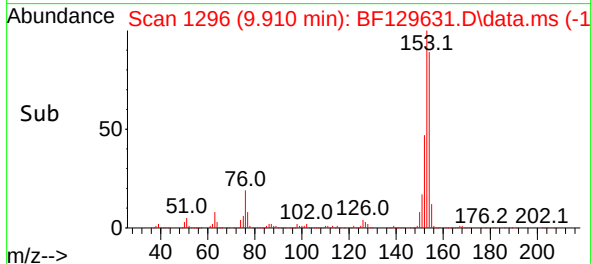
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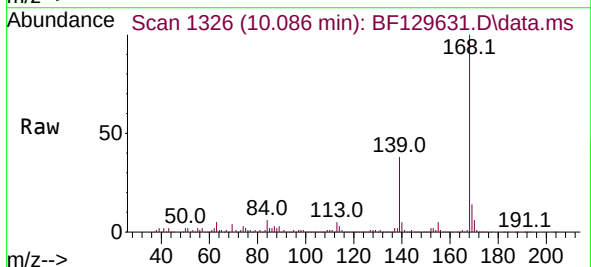
Tgt Ion:154 Resp: 204729
Ion Ratio Lower Upper
154 100
153 111.7 89.6 134.4
152 52.6 42.4 63.6

Manual Integrations
APPROVED

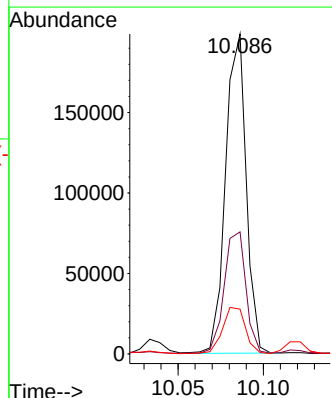
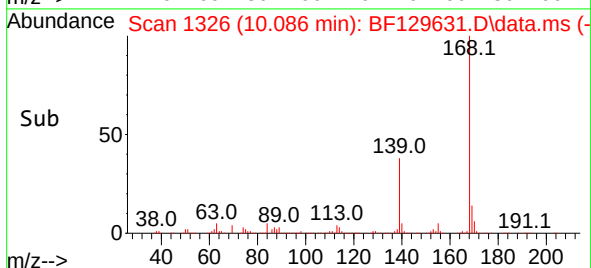
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

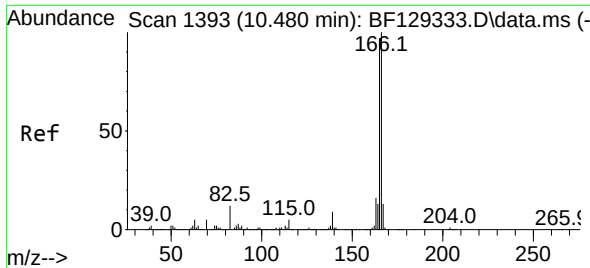


#55
Dibenzofuran
Concen: 8.254 ng
RT: 10.086 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15



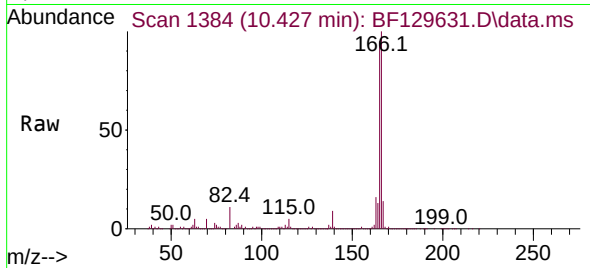
Tgt Ion:168 Resp: 166835
Ion Ratio Lower Upper
168 100
139 38.1 30.6 46.0
169 14.0 11.0 16.6





#58
Fluorene
Concen: 16.781 ng
RT: 10.427 min Scan# 1393
Delta R.T. -0.018 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

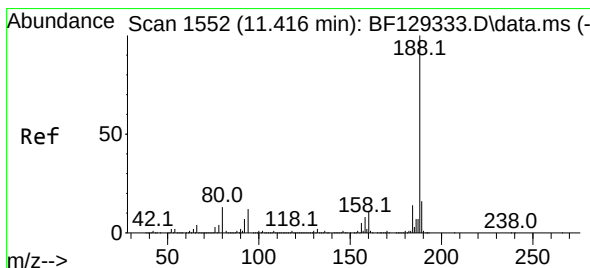
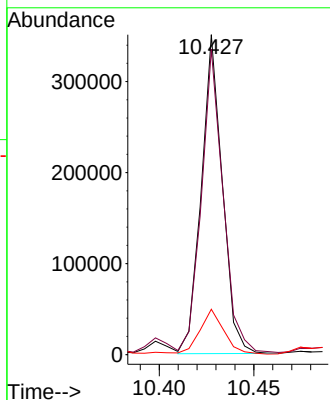
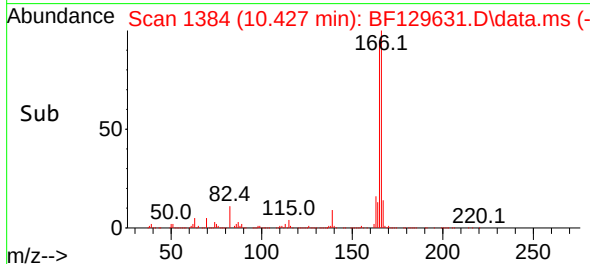
Instrument :
BNA_F
ClientSampleId :
OR-02-080422



Tgt Ion:166 Resp: 271389
Ion Ratio Lower Upper
166 100
165 95.4 78.1 117.1
167 14.2 10.5 15.7

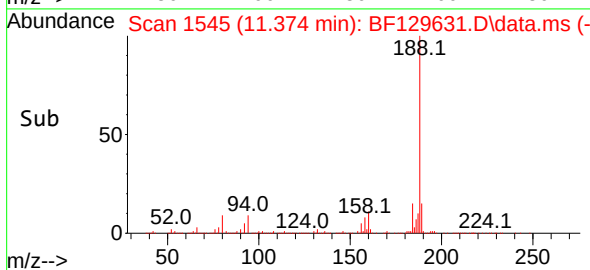
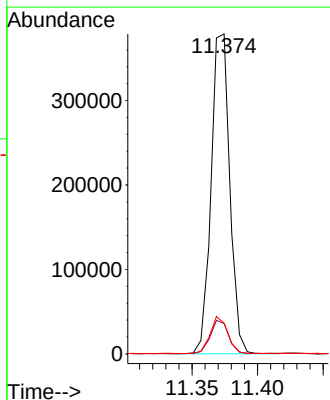
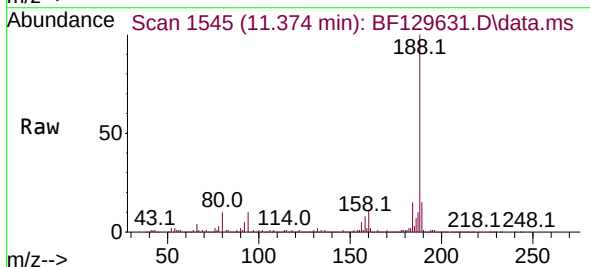
Manual Integrations
APPROVED

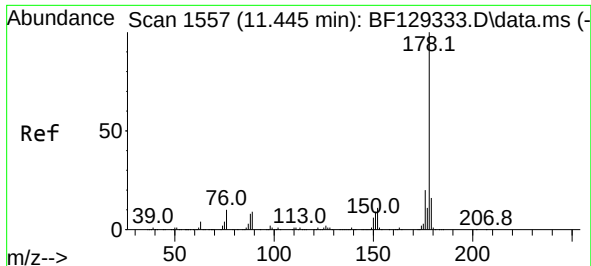
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

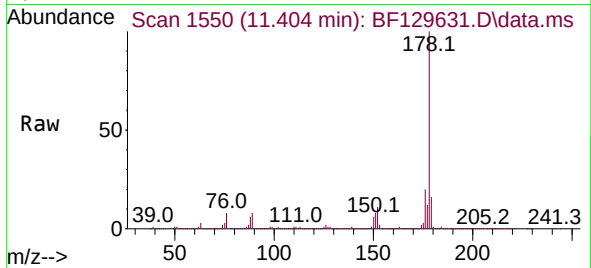
Tgt Ion:188 Resp: 375569
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.6
80 9.6 7.6 11.4





#71
Phenanthrene
Concen: 96.896 ng
RT: 11.404 min Scan# 11404
Delta R.T. -0.006 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

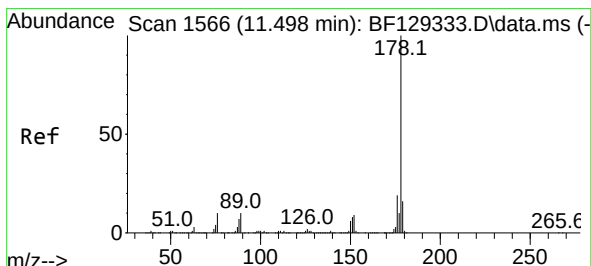
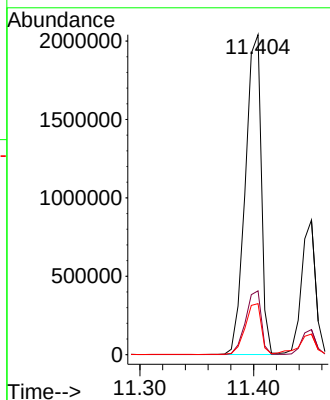
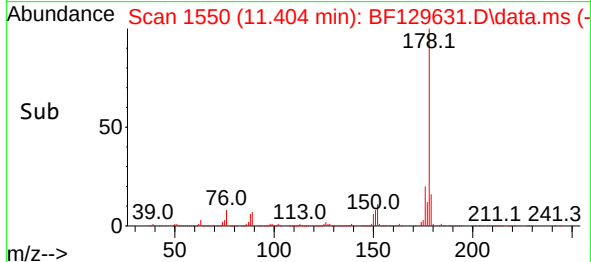
Instrument :
BNA_F
ClientSampleId :
OR-02-080422



Tgt Ion:178 Resp: 1986489
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.9 12.6 19.0

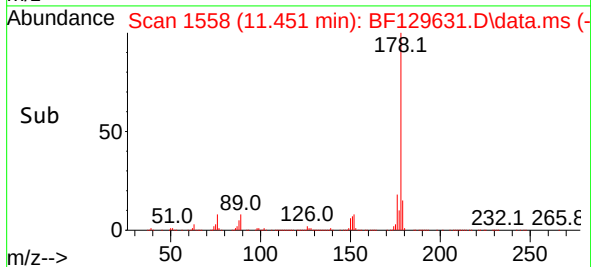
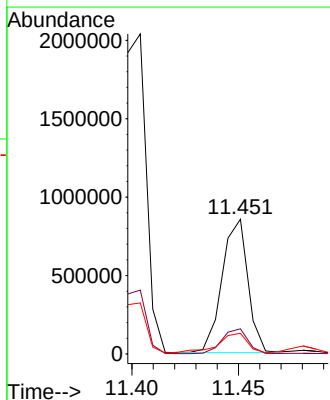
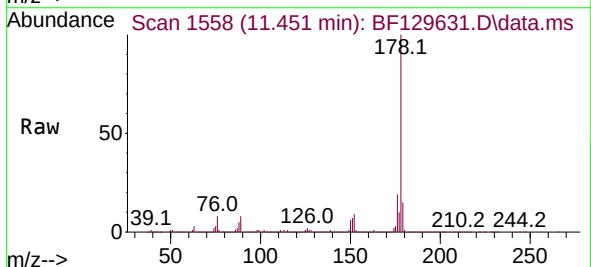
Manual Integrations
APPROVED

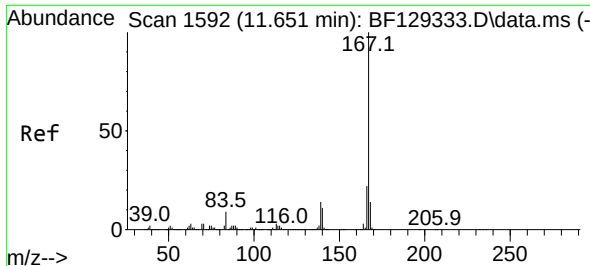
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#72
Anthracene
Concen: 35.743 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.012 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

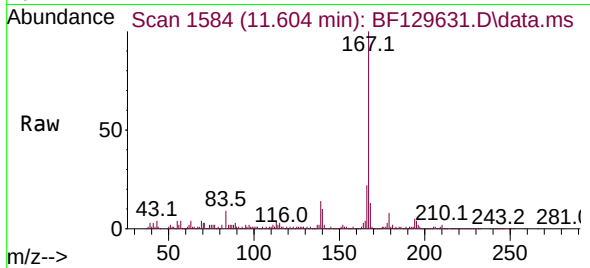
Tgt Ion:178 Resp: 720113
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.3 12.6 19.0





#73
 Carbazole
 Concen: 8.205 ng
 RT: 11.604 min Scan# 1584
 Delta R.T. -0.012 min
 Lab File: BF129631.D
 Acq: 08 Aug 2022 14:15

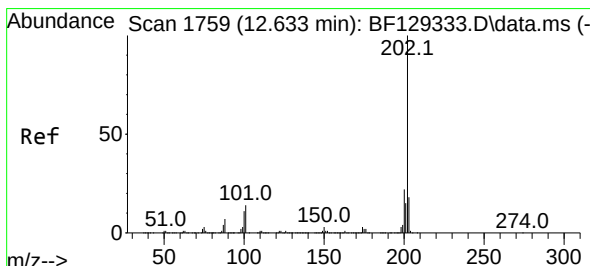
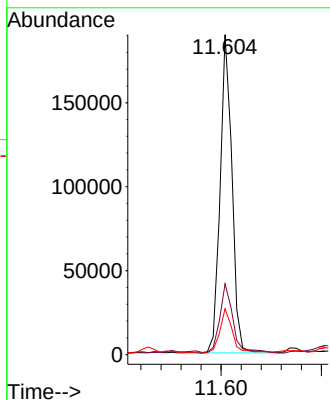
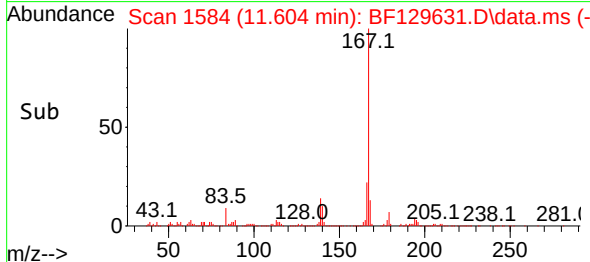
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080422



Tgt Ion:167 Resp: 155601
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.7 26.5
 139 14.3 11.2 16.8

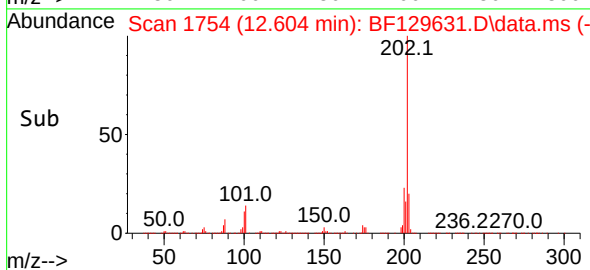
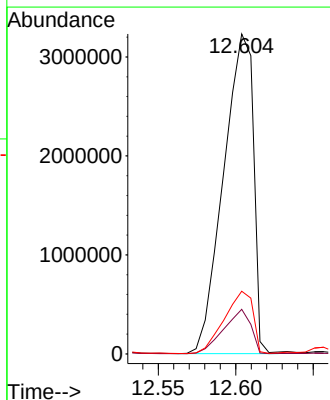
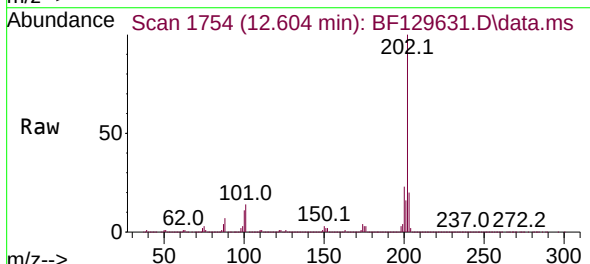
Manual Integrations
 APPROVED

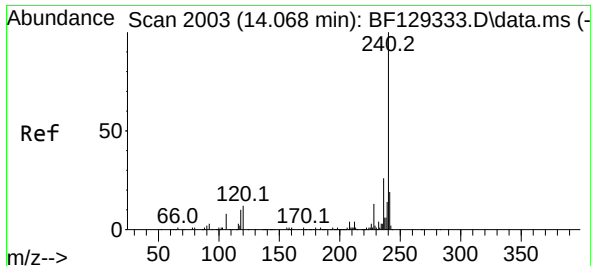
Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022



#75
 Fluoranthene
 Concen: 208.145 ng
 RT: 12.604 min Scan# 1754
 Delta R.T. 0.006 min
 Lab File: BF129631.D
 Acq: 08 Aug 2022 14:15

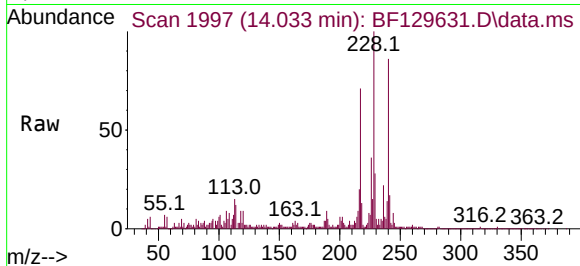
Tgt Ion:202 Resp: 4323689
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 31.4
 203 19.6 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 1997
Delta R.T. 0.006 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

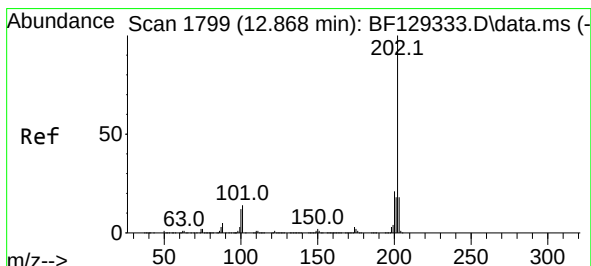
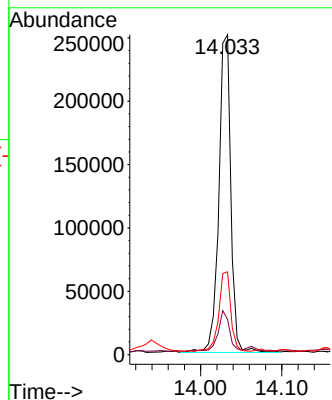
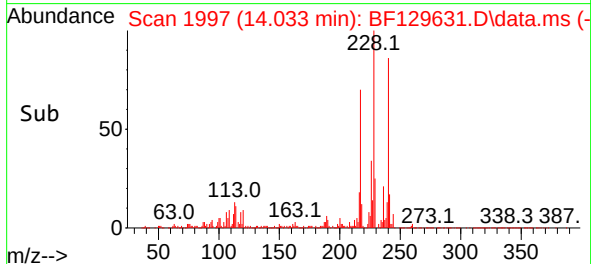
Instrument :
BNA_F
ClientSampleId :
OR-02-080422



Tgt Ion:240 Resp: 256769
Ion Ratio Lower Upper
240 100
120 11.0 8.9 13.3
236 25.9 20.8 31.2

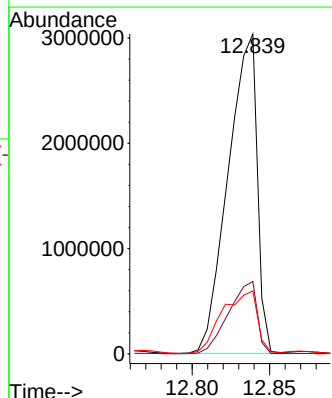
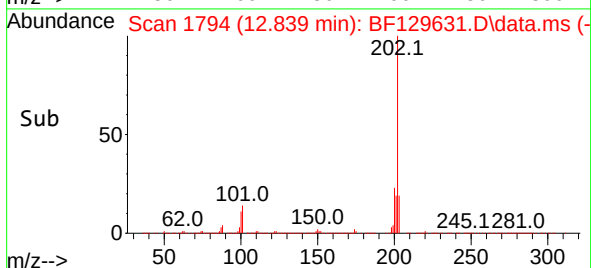
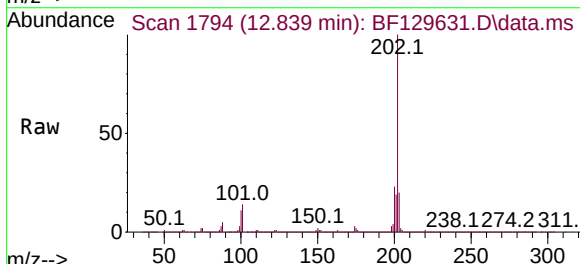
Manual Integrations
APPROVED

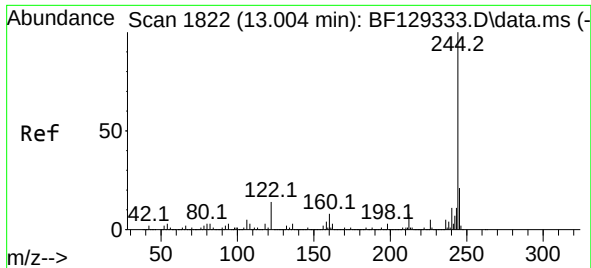
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#78
Pyrene
Concen: 184.537 ng
RT: 12.839 min Scan# 1794
Delta R.T. 0.012 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

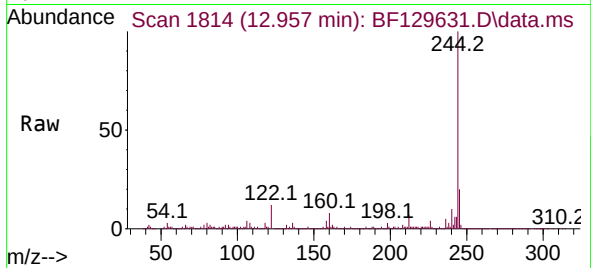
Tgt Ion:202 Resp: 3962331
Ion Ratio Lower Upper
202 100
200 22.6 17.7 26.5
203 19.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 65.620 ng
 RT: 12.957 min Scan# 1822
 Delta R.T. -0.012 min
 Lab File: BF129631.D
 Acq: 08 Aug 2022 14:15

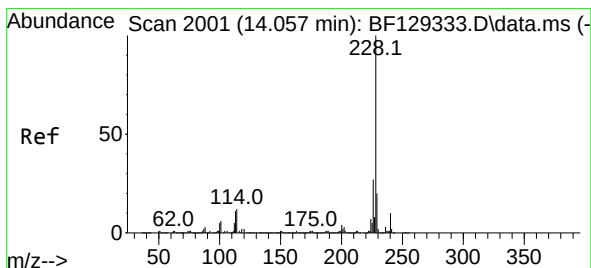
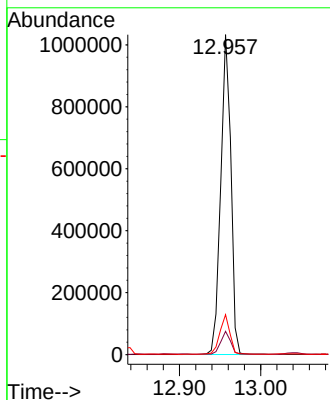
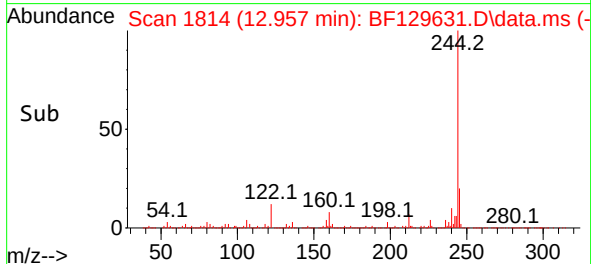
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080422



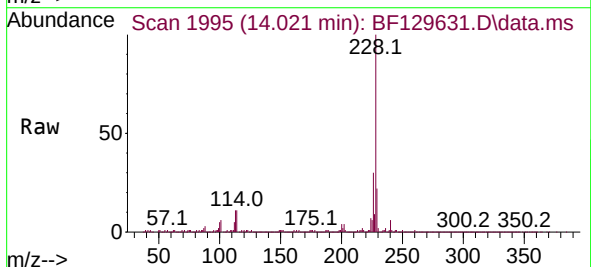
Tgt Ion:244 Resp: 893105
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 12.5 8.8 13.2

Manual Integrations
 APPROVED

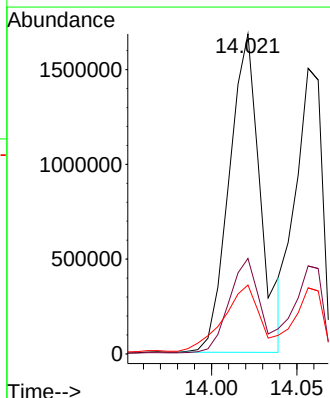
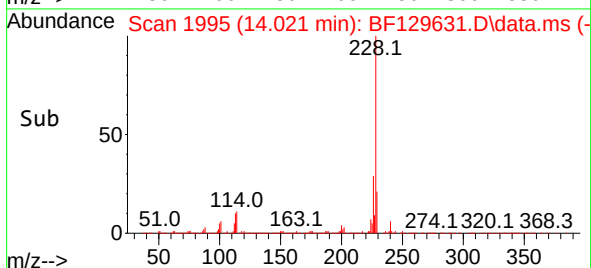
Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022

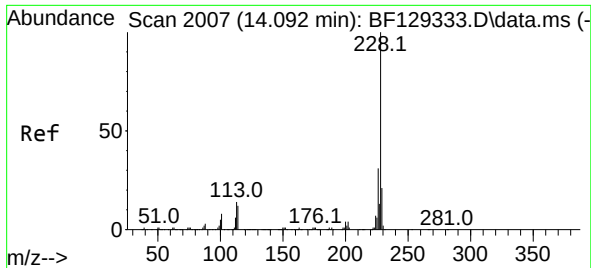


#81
 Benzo(a)anthracene
 Concen: 122.469 ng
 RT: 14.021 min Scan# 1995
 Delta R.T. 0.006 min
 Lab File: BF129631.D
 Acq: 08 Aug 2022 14:15



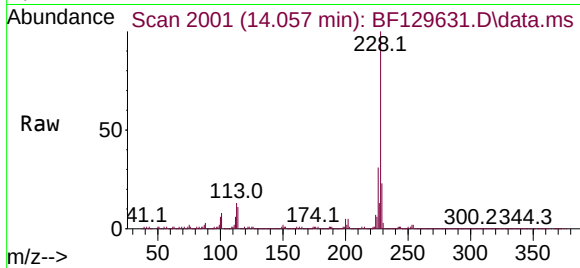
Tgt Ion:228 Resp: 2148090
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.1 33.1
 229 21.5 15.8 23.8





#83
Chrysene
Concen: 99.475 ng
RT: 14.057 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

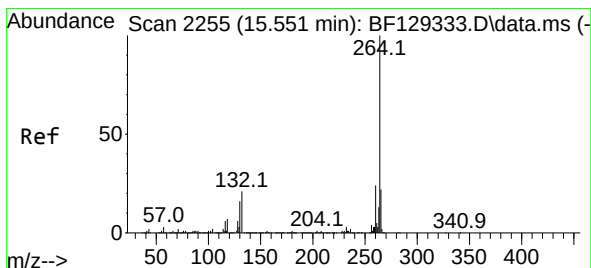
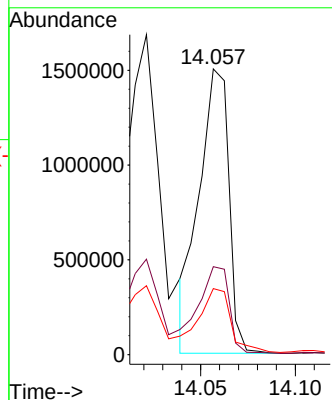
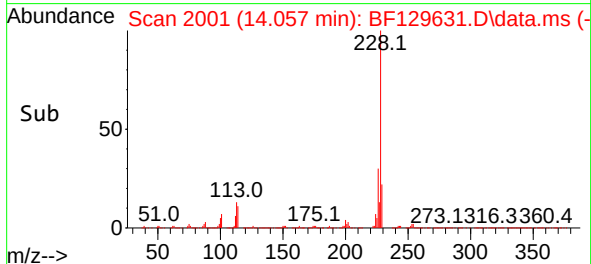
Instrument :
BNA_F
ClientSampleId :
OR-02-080422



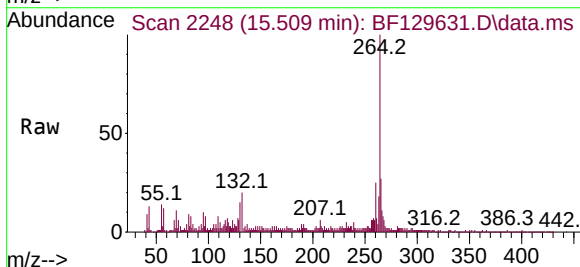
Tgt Ion:228 Resp: 1644382
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 23.1 15.9 23.9

Manual Integrations
APPROVED

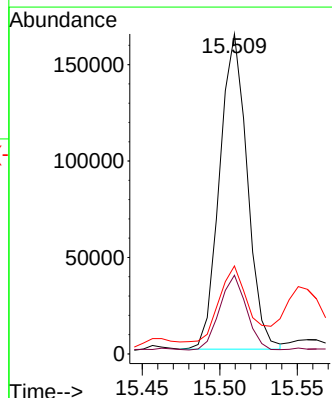
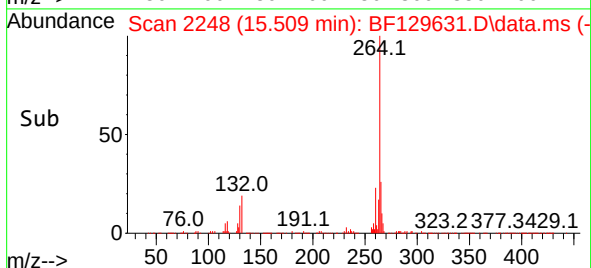
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

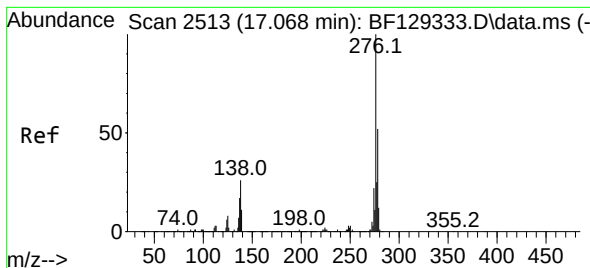


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2248
Delta R.T. 0.006 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15



Tgt Ion:264 Resp: 203208
Ion Ratio Lower Upper
264 100
260 24.6 18.4 27.6
265 27.5 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 66.961 ng

RT: 17.009 min Scan# 2176

Delta R.T. 0.012 min

Lab File: BF129631.D

Acq: 08 Aug 2022 14:15

Instrument :

BNA_F

ClientSampleId :

OR-02-080422

Tgt Ion:276 Resp: 916307

Ion Ratio Lower Upper

276 100

138 20.4 21.1 31.7

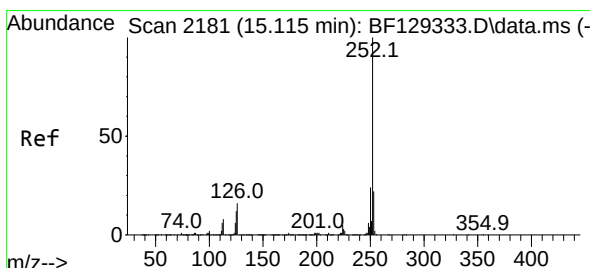
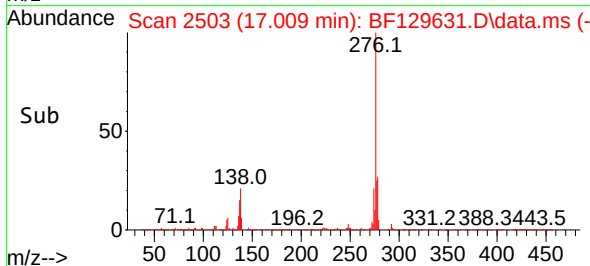
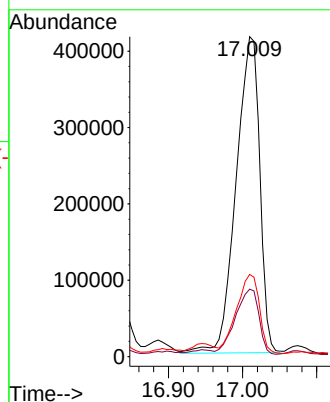
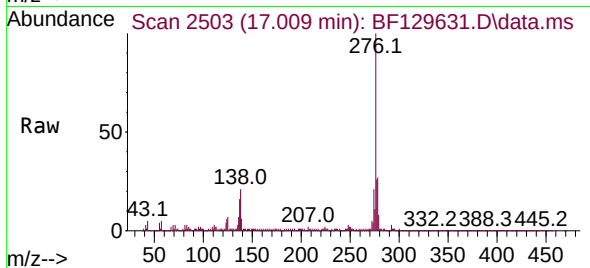
277 24.1 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/09/2022

Supervised By :Jagrut Upadhyay 08/09/2022



#88

Benzo(b)fluoranthene

Concen: 155.113 ng m

RT: 15.086 min Scan# 2176

Delta R.T. 0.018 min

Lab File: BF129631.D

Acq: 08 Aug 2022 14:15

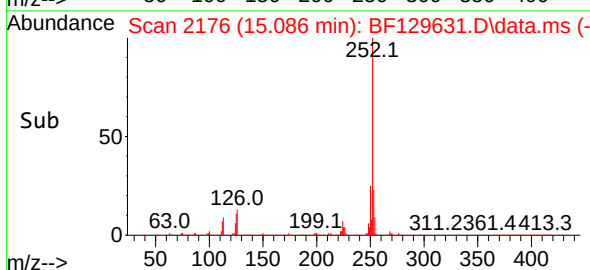
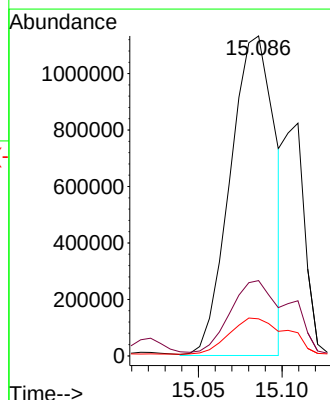
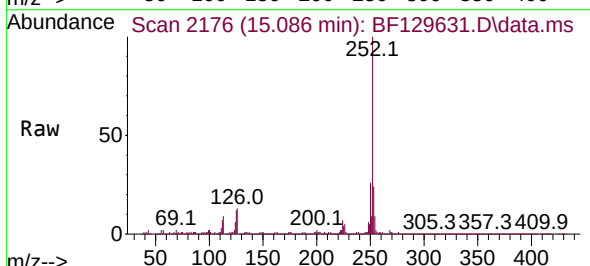
Tgt Ion:252 Resp: 2090838

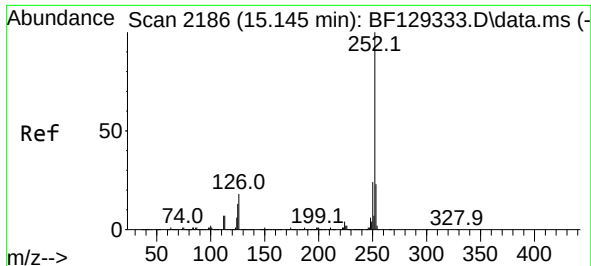
Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 11.6 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 52.838 ng m

RT: 15.110 min Scan# 2186

Delta R.T. 0.006 min

Lab File: BF129631.D

Acq: 08 Aug 2022 14:15

Instrument :

BNA_F

ClientSampleId :

OR-02-080422

Tgt Ion:252 Resp: 697960

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

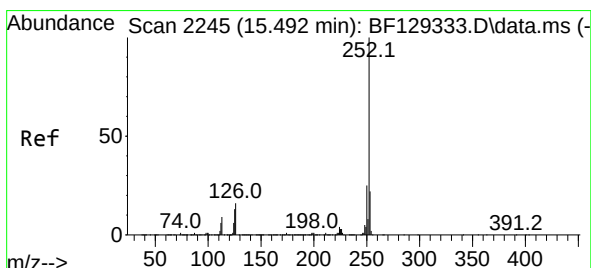
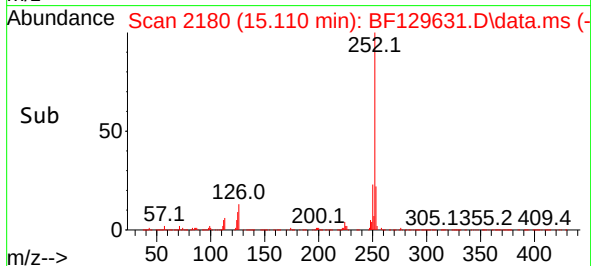
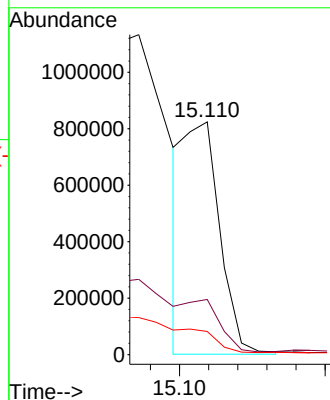
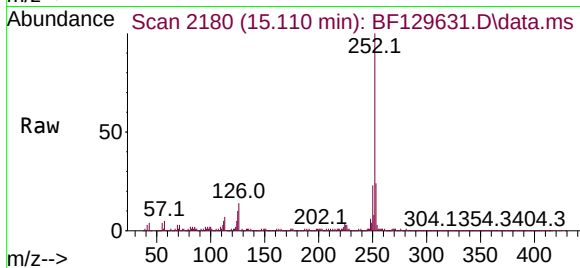
125 9.9 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/09/2022

Supervised By :Jagrut Upadhyay 08/09/2022



#90

Benzo(a)pyrene

Concen: 131.296 ng

RT: 15.457 min Scan# 2239

Delta R.T. 0.018 min

Lab File: BF129631.D

Acq: 08 Aug 2022 14:15

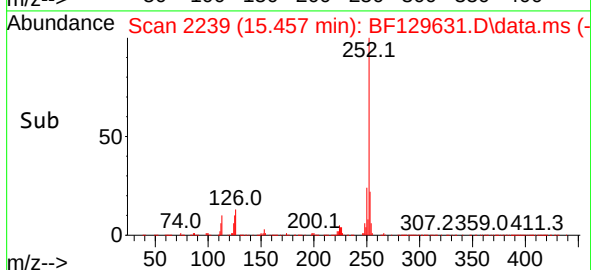
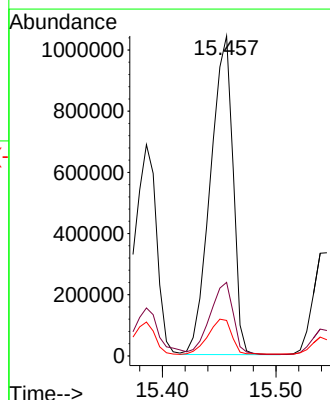
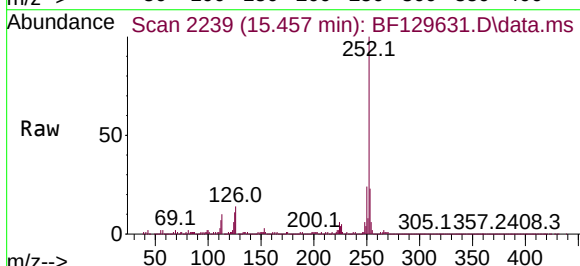
Tgt Ion:252 Resp: 1436677

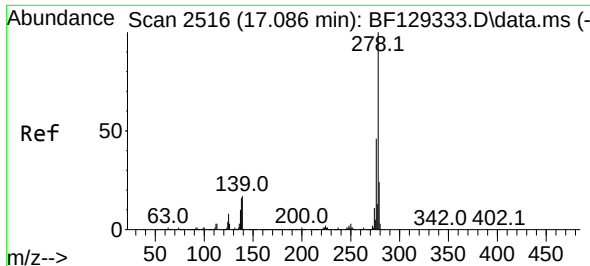
Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

125 11.1 8.8 13.2





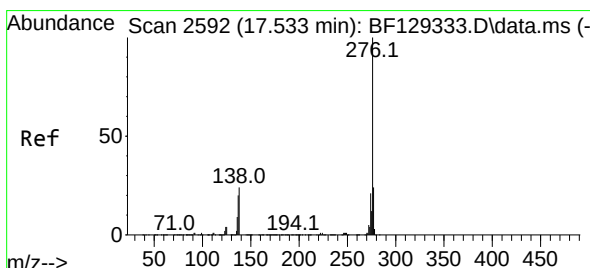
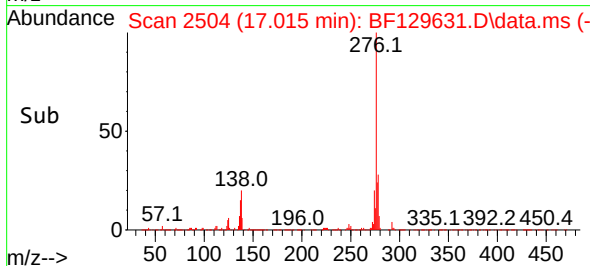
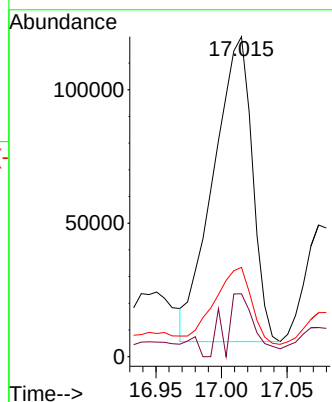
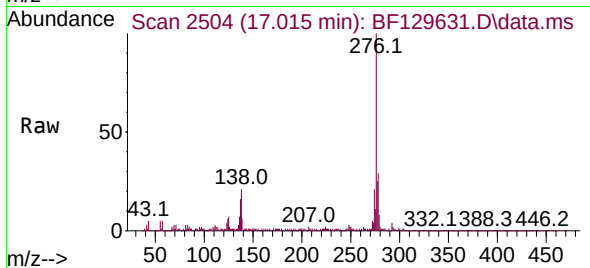
#91
Dibenzo(a,h)anthracene
Concen: 21.182 ng
RT: 17.015 min Scan# 2504
Delta R.T. 0.006 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

Instrument :
BNA_F
ClientSampleId :
OR-02-080422

Tgt Ion:278 Resp: 235923
Ion Ratio Lower Upper
278 100
139 19.6 12.8 19.2
279 27.9 18.6 28.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#92
Benzo(g,h,i)perylene
Concen: 73.782 ng
RT: 17.468 min Scan# 2581
Delta R.T. 0.018 min
Lab File: BF129631.D
Acq: 08 Aug 2022 14:15

Tgt Ion:276 Resp: 839701
Ion Ratio Lower Upper
276 100
277 25.1 19.1 28.7
138 21.7 18.0 27.0

