

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
 Data File : BF129493.D
 Acq On : 02 Aug 2022 01:43
 Operator : CG\JU
 Sample : N3982-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-072922

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/02/2022
 Supervised By : Jagrut Upadhyay 08/02/2022

Quant Time: Aug 02 02:17:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	118224	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	390220	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	192228	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	351921	20.000	ng	0.00
76) Chrysene-d12	14.062	240	240676	20.000	ng	0.01
86) Perylene-d12	15.551	264	192622	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	664272	91.529	ng	0.00
7) Phenol-d6	6.522	99	743066	81.457	ng	0.00
23) Nitrobenzene-d5	7.439	82	429063	60.022	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	164606	89.066	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	703139	56.585	ng	0.00
79) Terphenyl-d14	12.992	244	861151	67.503	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.181	128	60832	3.068	ng	98
37) 2-Methylnaphthalene	8.869	142	46106	3.579	ng	99
38) 1-Methylnaphthalene	8.969	142	53478	4.300	ng	99
49) Acenaphthylene	9.775	152	259588	15.064	ng	99
52) Acenaphthene	9.945	154	125831	11.180	ng	98
55) Dibenzofuran	10.122	168	119602	7.709	ng	98
58) Fluorene	10.463	166	206143	16.605	ng	99
71) Phenanthrene	11.433	178	1434705	74.684	ng	99
72) Anthracene	11.486	178	537744	28.485	ng	99
73) Carbazole	11.639	167	78611	4.424	ng	98
75) Fluoranthene	12.633	202	2961772	152.163	ng	97
78) Pyrene	12.868	202	2670412	132.685	ng	99
81) Benzo(a)anthracene	14.051	228	1310135	79.689	ng	95
83) Chrysene	14.086	228	1022539	65.993	ng	96
87) Indeno(1,2,3-cd)pyrene	17.062	276	554841	42.774	ng	# 94
88) Benzo(b)fluoranthene	15.115	252	1285000m	100.570	ng	
89) Benzo(k)fluoranthene	15.139	252	379819m	30.334	ng	
90) Benzo(a)pyrene	15.492	252	876552	84.510	ng	97
91) Dibenzo(a,h)anthracene	17.068	278	139913	13.252	ng	# 83
92) Benzo(g,h,i)perylene	17.527	276	529156	49.050	ng	98

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

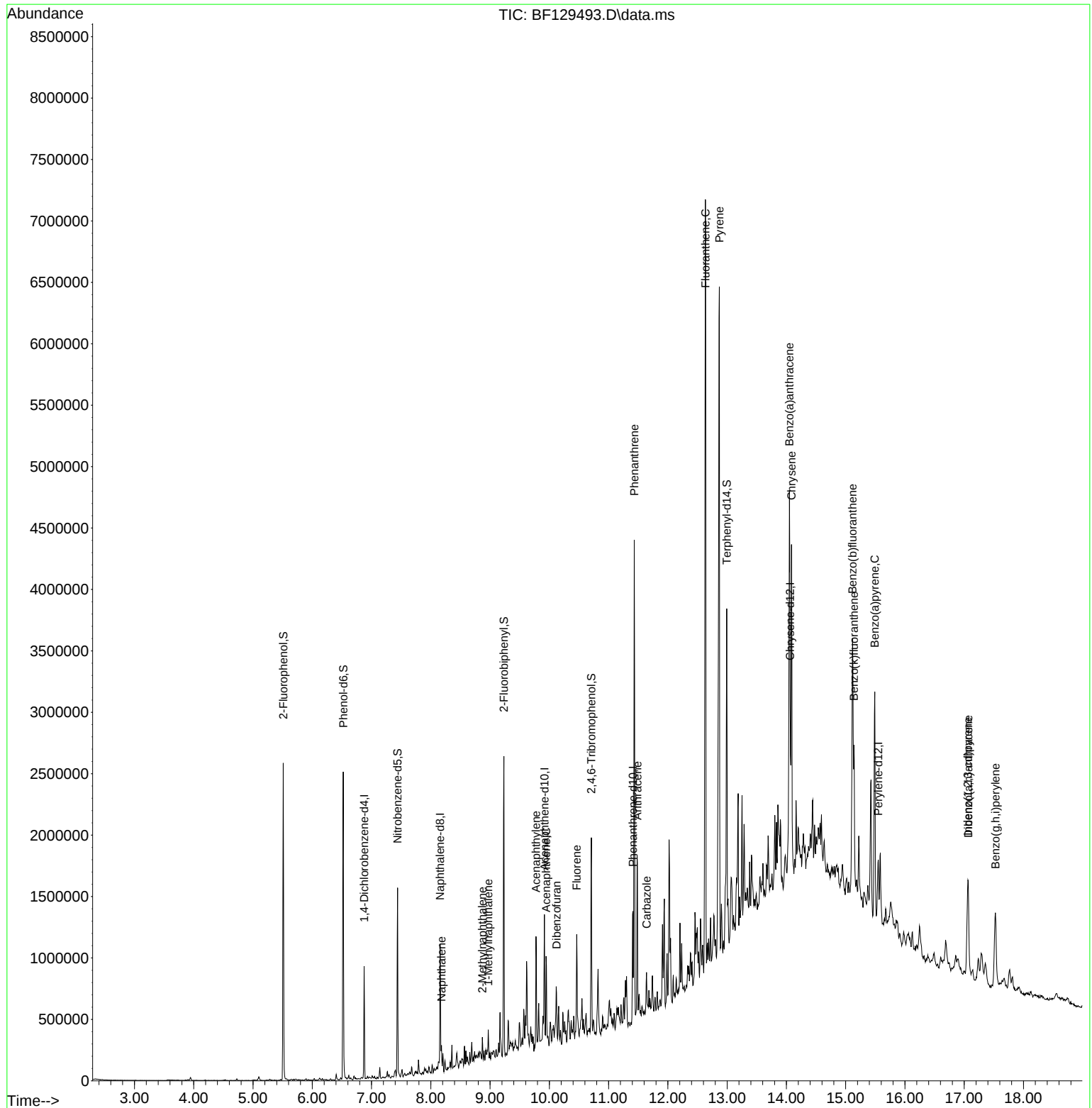
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
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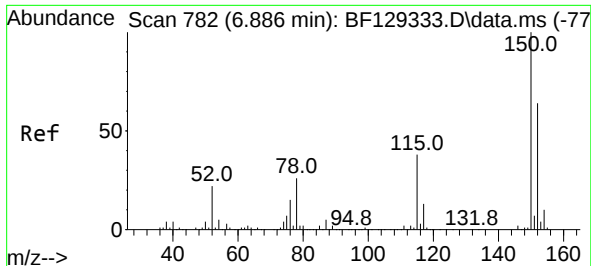
Instrument :
BNA_F
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OR-3-072922

Quant Time: Aug 02 02:17:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 01:11:25 2022
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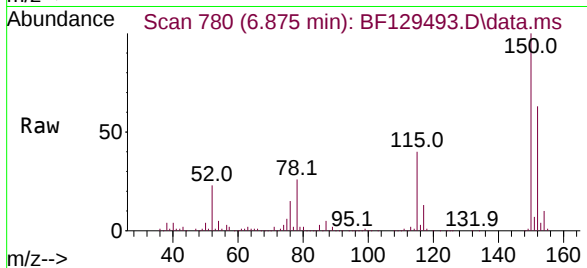
Reviewed By : Christian Giraldo 08/02/2022
Supervised By : Jagrut Upadhyay 08/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

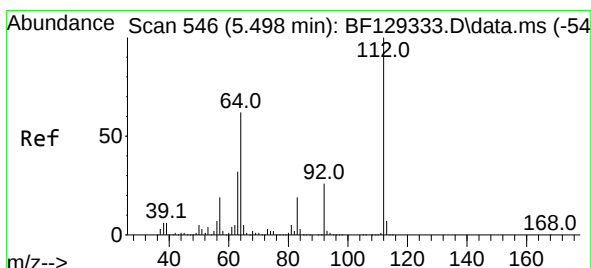
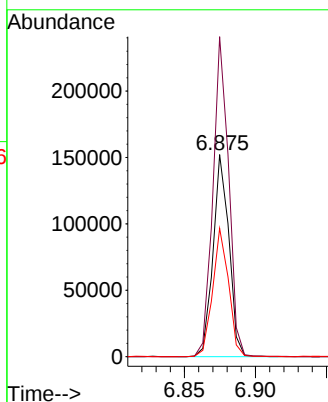
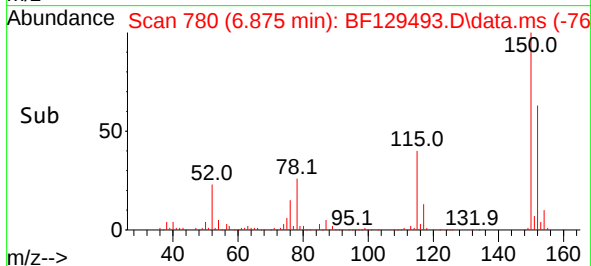
Instrument :
BNA_F
ClientSampleId :
OR-3-072922



Tgt Ion:152 Resp: 118224
Ion Ratio Lower Upper
152 100
150 158.5 123.7 185.5
115 63.5 49.9 74.9

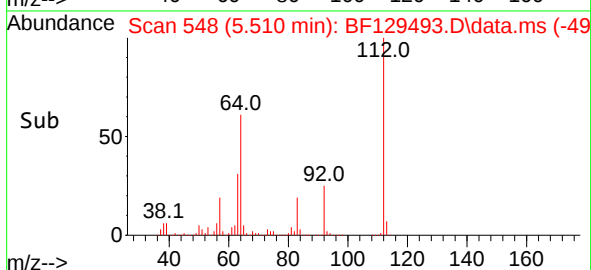
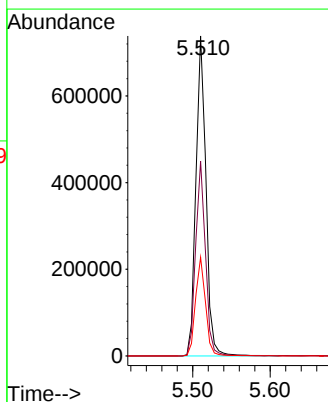
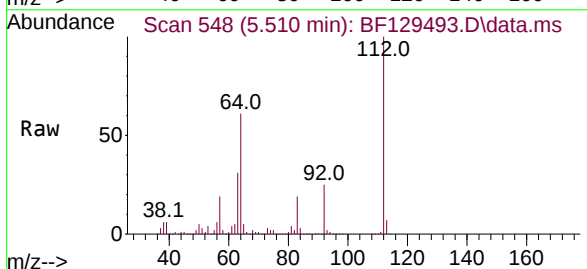
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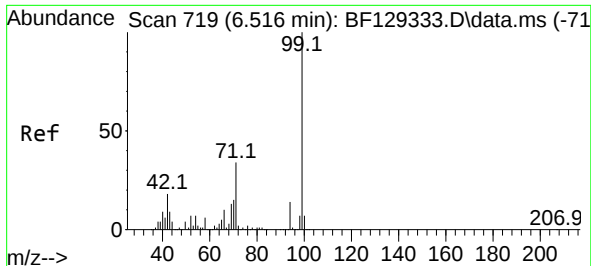
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#5
2-Fluorophenol
Concen: 91.529 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.006 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

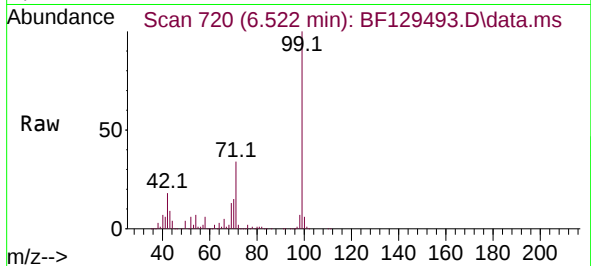
Tgt Ion:112 Resp: 664272
Ion Ratio Lower Upper
112 100
64 60.9 53.3 79.9
63 30.8 28.0 42.0





#7
Phenol-d6
Concen: 81.457 ng
RT: 6.522 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

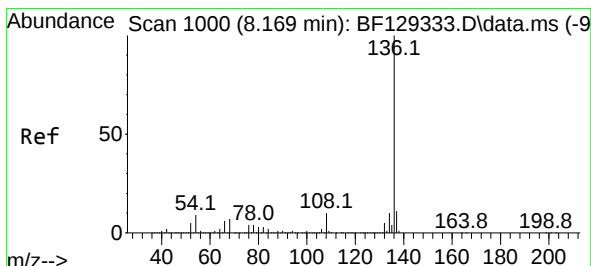
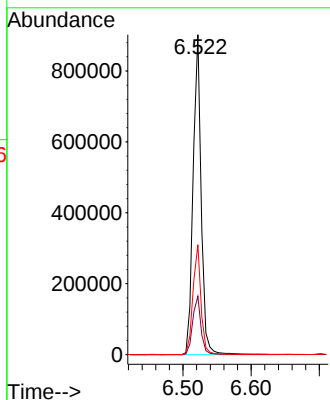
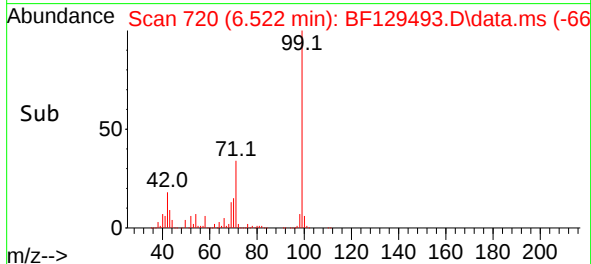
Instrument :
BNA_F
ClientSampleId :
OR-3-072922



Tgt Ion: 99 Resp: 743066
Ion Ratio Lower Upper
99 100
42 18.2 17.3 25.9
71 34.3 28.9 43.3

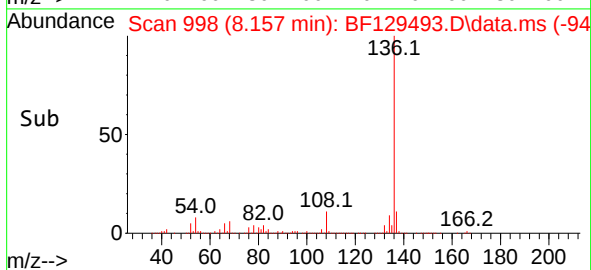
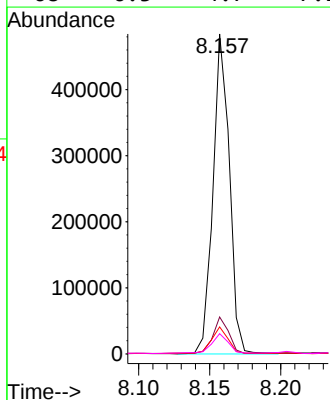
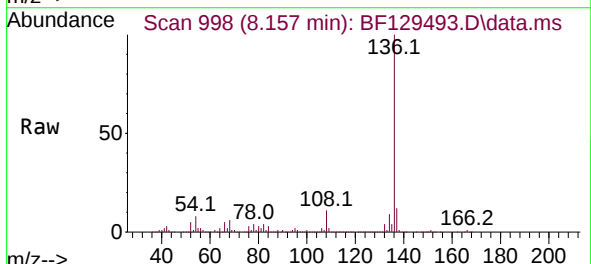
Manual Integrations
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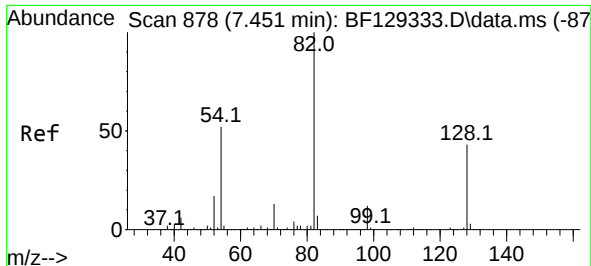
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Tgt Ion:136 Resp: 390220
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 8.4 7.5 11.3
68 6.3 4.7 7.1





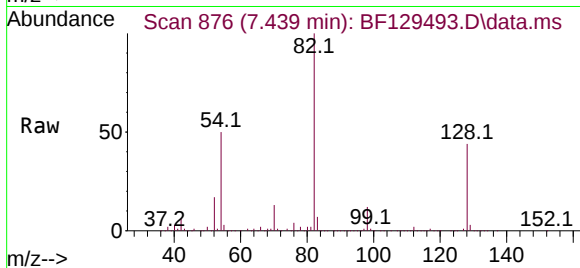
#23
Nitrobenzene-d5
Concen: 60.022 ng
RT: 7.439 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

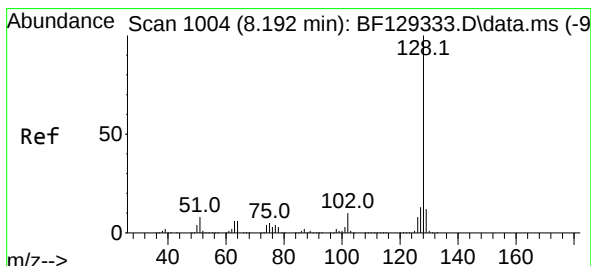
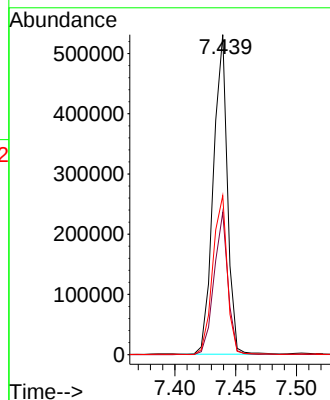
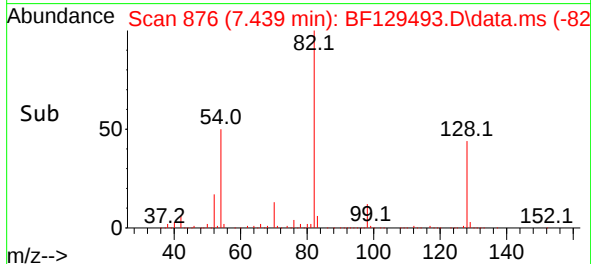


Tgt Ion: 82 Resp: 429063
Ion Ratio Lower Upper
82 100
128 44.5 34.0 51.0
54 49.7 46.9 70.3

Manual Integrations

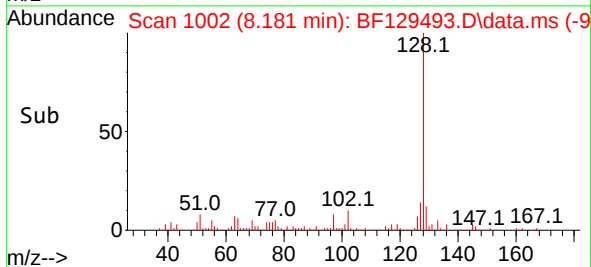
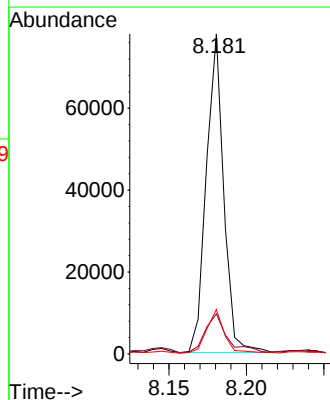
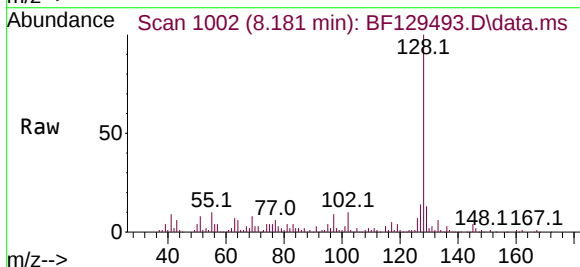
APPROVED

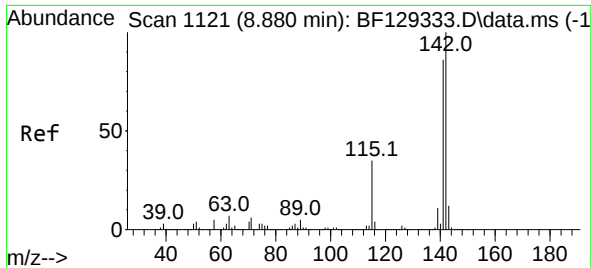
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#31
Naphthalene
Concen: 3.068 ng
RT: 8.181 min Scan# 1002
Delta R.T. -0.000 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Tgt Ion:128 Resp: 60832
Ion Ratio Lower Upper
128 100
129 12.5 9.2 13.8
127 13.9 10.5 15.7





#37

2-Methylnaphthalene

Concen: 3.579 ng

RT: 8.869 min Scan# 1119

Delta R.T. -0.000 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

Tgt Ion:142 Resp: 46100

Ion Ratio Lower Upper

142 100

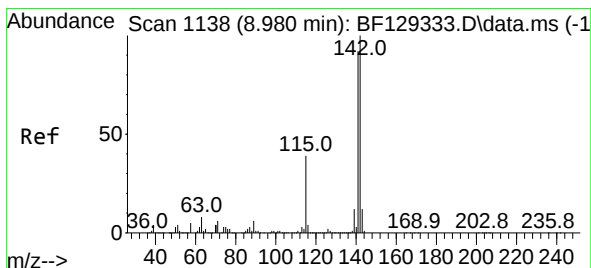
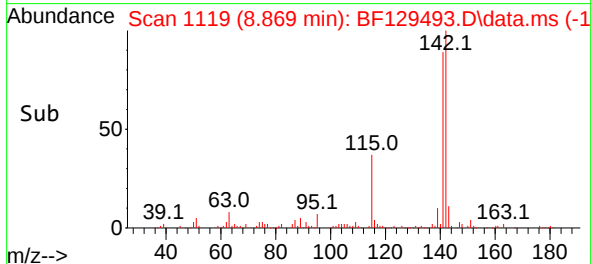
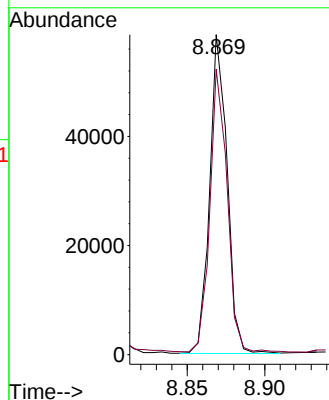
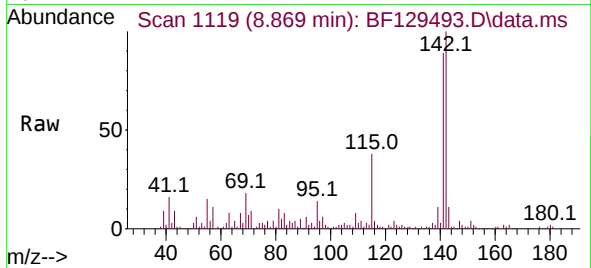
141 89.2 71.0 106.4

Manual Integrations

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Reviewed By :Christian Giraldo 08/02/2022

Supervised By :Jagrut Upadhyay 08/02/2022



#38

1-Methylnaphthalene

Concen: 4.300 ng

RT: 8.969 min Scan# 1136

Delta R.T. -0.000 min

Lab File: BF129493.D

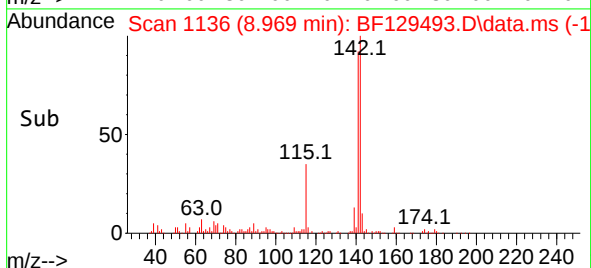
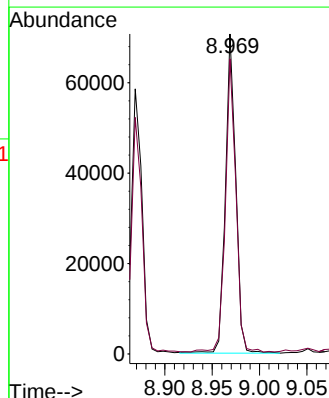
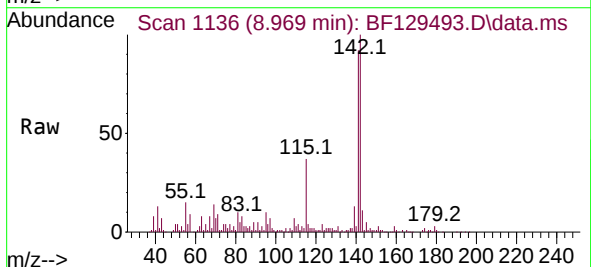
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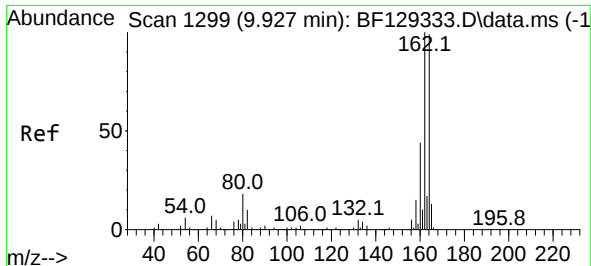
Tgt Ion:142 Resp: 53478

Ion Ratio Lower Upper

142 100

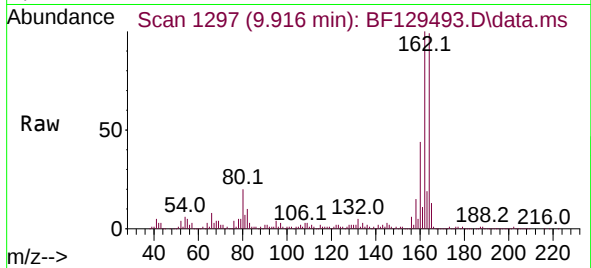
141 92.2 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

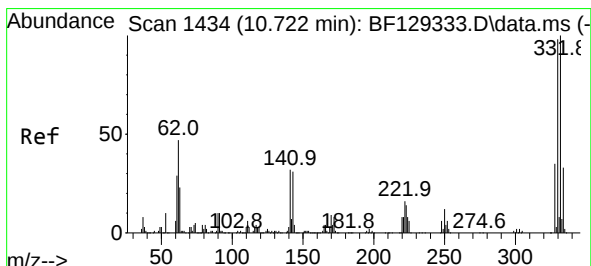
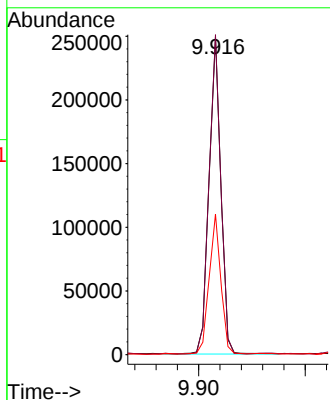
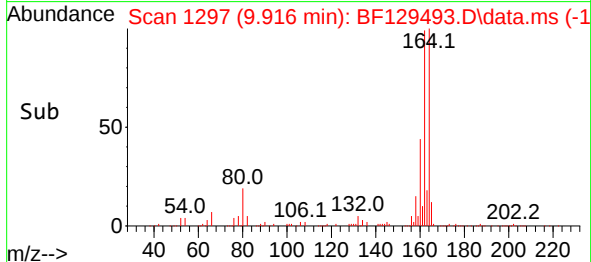
Instrument :
BNA_F
ClientSampleId :
OR-3-072922



Tgt Ion:164 Resp: 192228
Ion Ratio Lower Upper
164 100
162 100.7 79.5 119.3
160 44.2 34.2 51.4

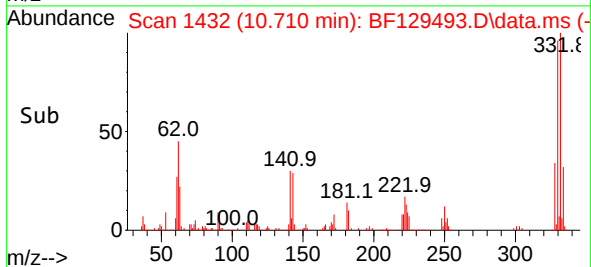
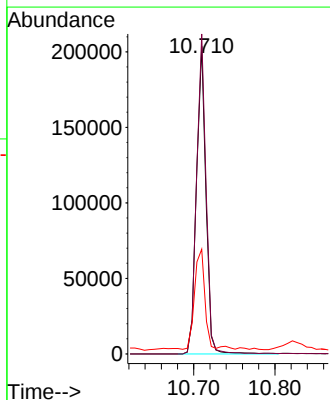
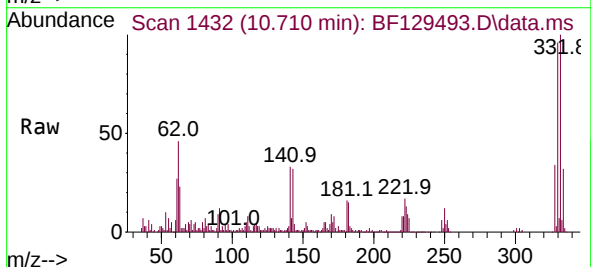
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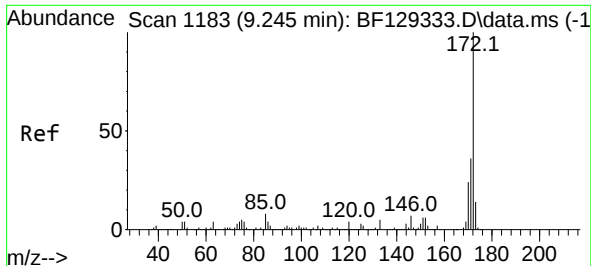
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#42
2,4,6-Tribromophenol
Concen: 89.066 ng
RT: 10.710 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Tgt Ion:330 Resp: 164606
Ion Ratio Lower Upper
330 100
332 103.7 76.8 115.2
141 35.0 28.0 42.0





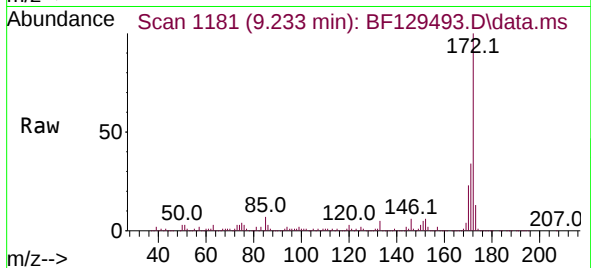
#45
2-Fluorobiphenyl
Concen: 56.585 ng
RT: 9.233 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

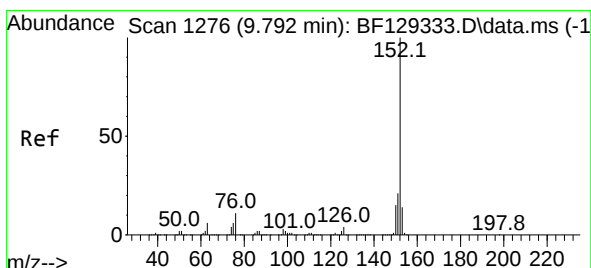
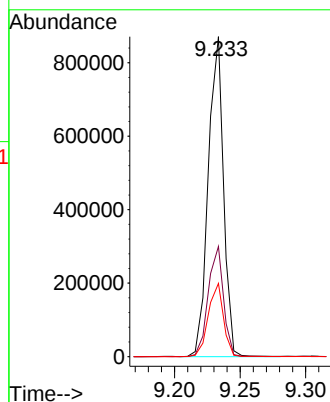
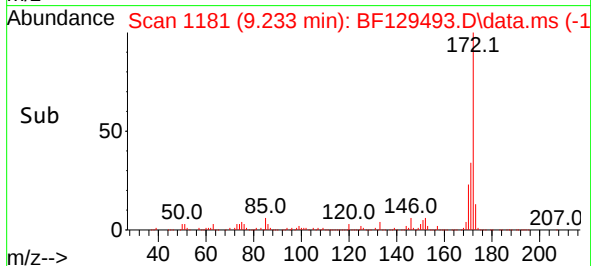


Tgt Ion:172 Resp: 703139
Ion Ratio Lower Upper
172 100
171 34.4 28.8 43.2
170 22.9 19.8 29.8

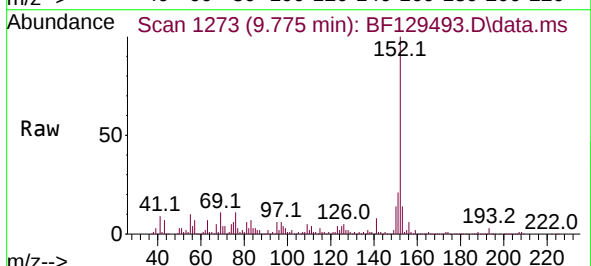
Manual Integrations

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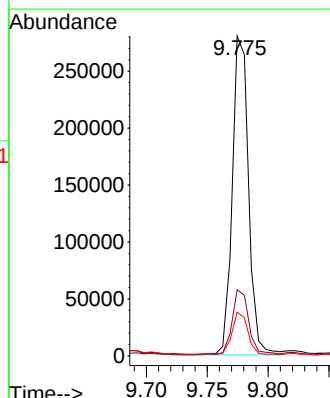
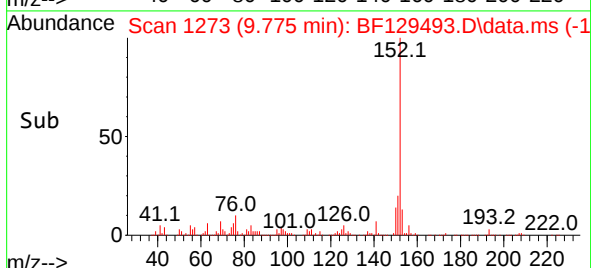
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

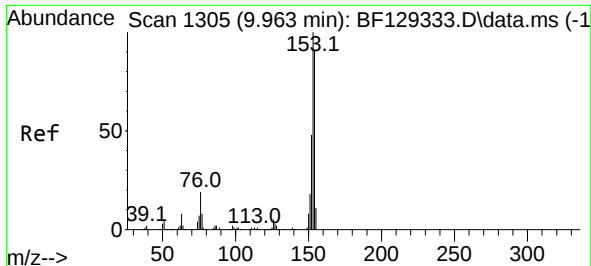


#49
Acenaphthylene
Concen: 15.064 ng
RT: 9.775 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43



Tgt Ion:152 Resp: 259588
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4
153 13.7 10.7 16.1





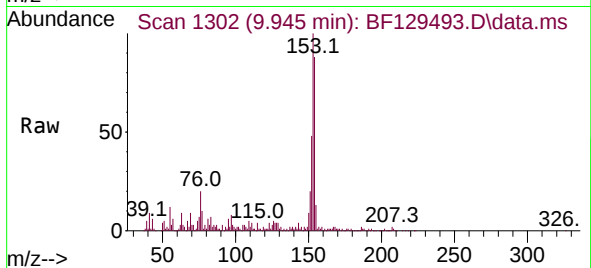
#52
Acenaphthene
Concen: 11.180 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

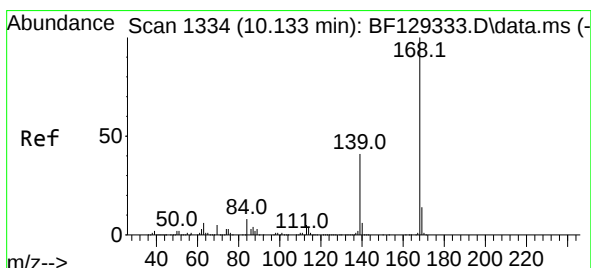
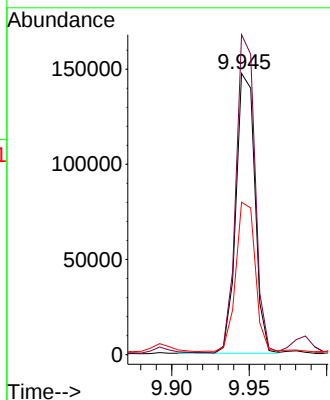
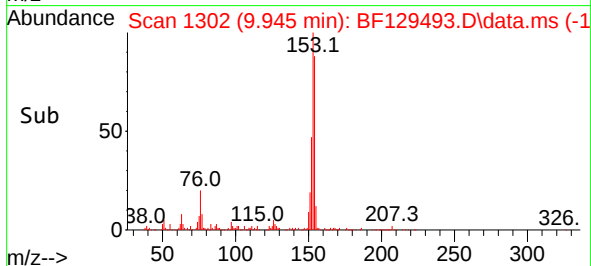


Tgt Ion:154 Resp: 125831
Ion Ratio Lower Upper
154 100
153 113.8 89.6 134.4
152 54.2 42.4 63.6

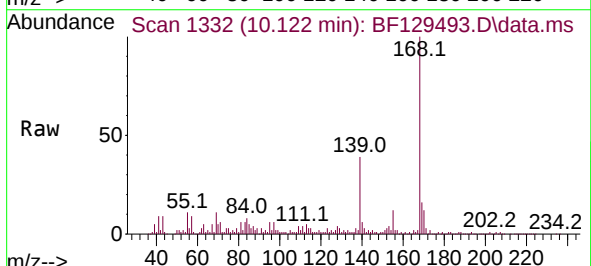
Manual Integrations

APPROVED

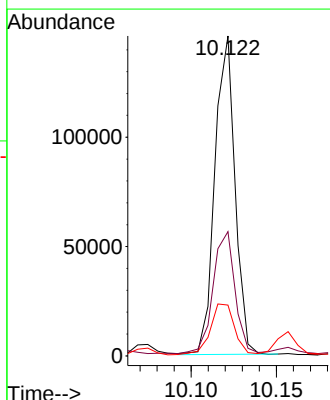
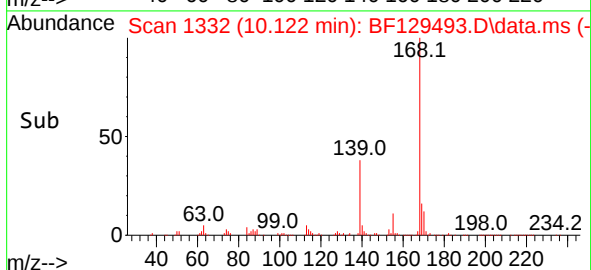
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

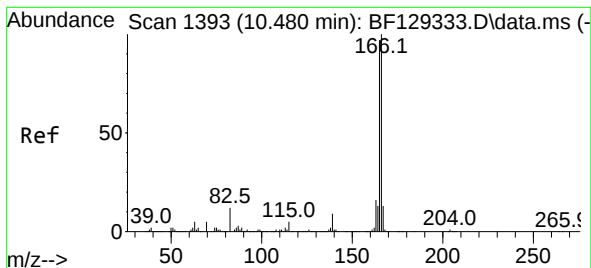


#55
Dibenzofuran
Concen: 7.709 ng
RT: 10.122 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43



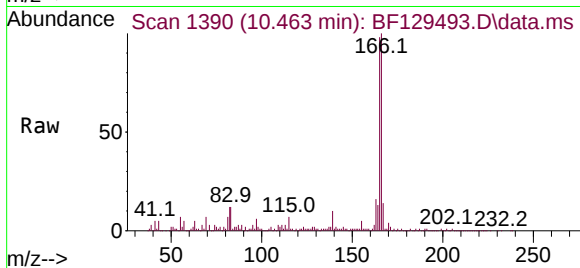
Tgt Ion:168 Resp: 119602
Ion Ratio Lower Upper
168 100
139 38.8 30.6 46.0
169 15.9 11.0 16.6





#58
Fluorene
Concen: 16.605 ng
RT: 10.463 min Scan# 1390
Delta R.T. -0.006 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

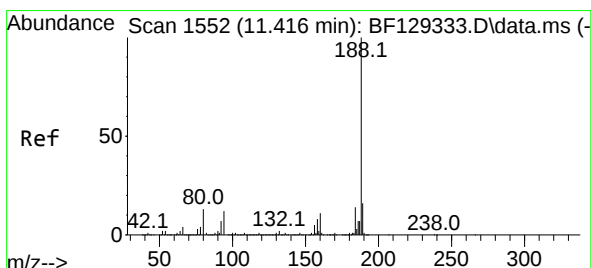
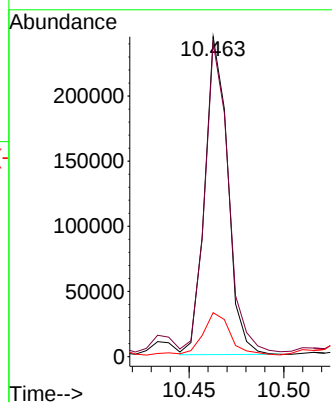
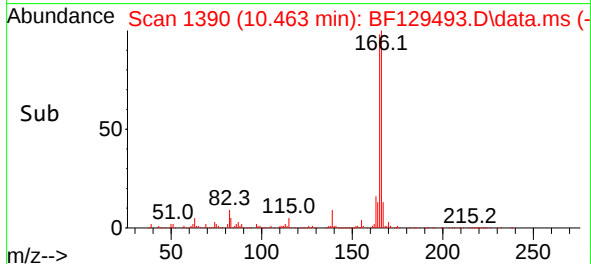
Instrument :
BNA_F
ClientSampleId :
OR-3-072922



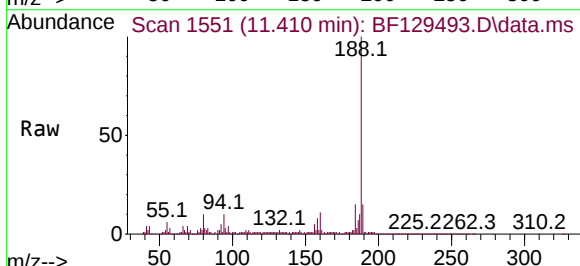
Tgt Ion:166 Resp: 206143
Ion Ratio Lower Upper
166 100
165 98.2 78.1 117.1
167 13.7 10.5 15.7

Manual Integrations
APPROVED

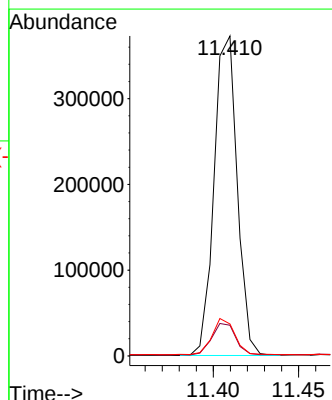
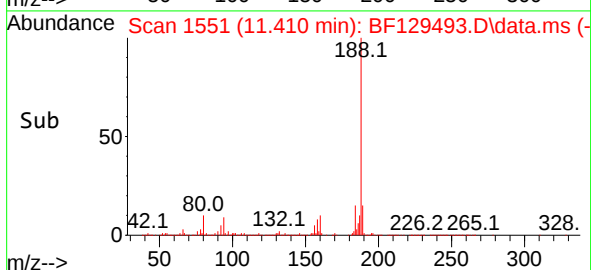
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

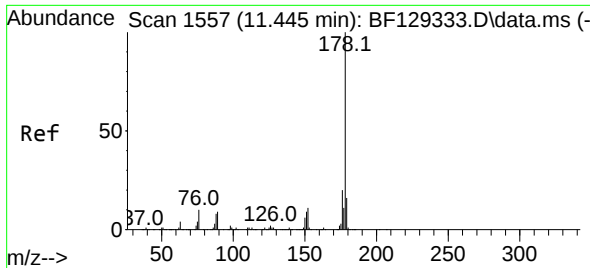


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43



Tgt Ion:188 Resp: 351921
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.0 7.6 11.4





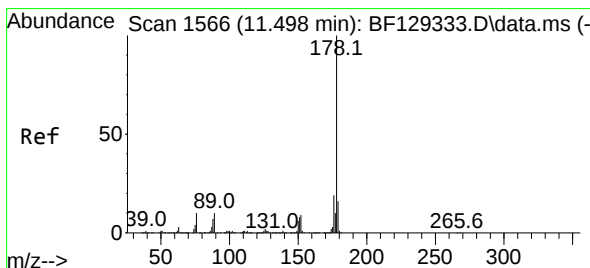
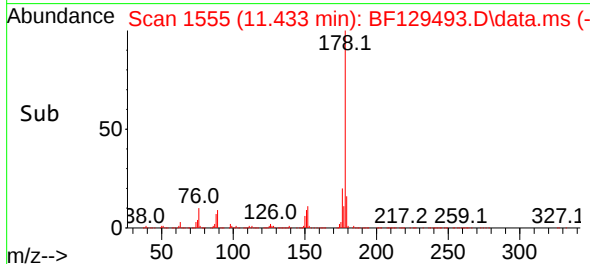
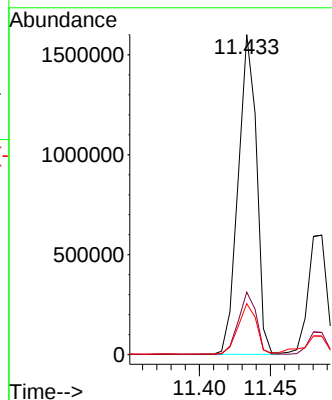
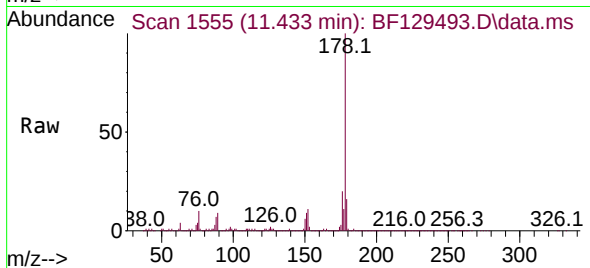
#71
Phenanthrene
Concen: 74.684 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Instrument :
BNA_F
ClientSampleId :
OR-3-072922

Tgt Ion:178 Resp: 1434705
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.9 12.6 19.0

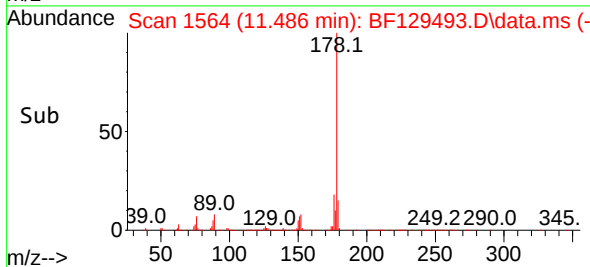
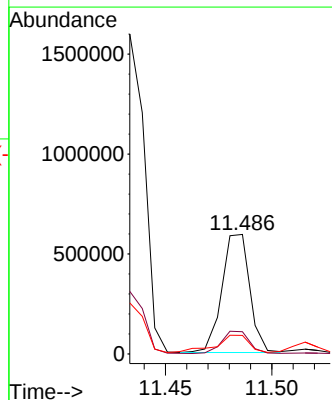
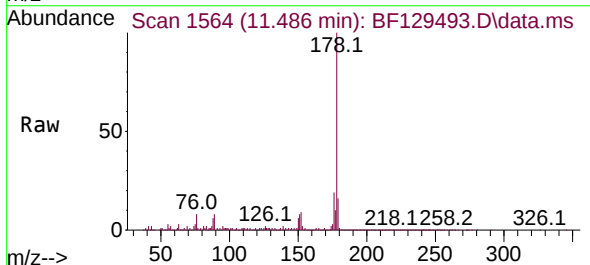
Manual Integrations
APPROVED

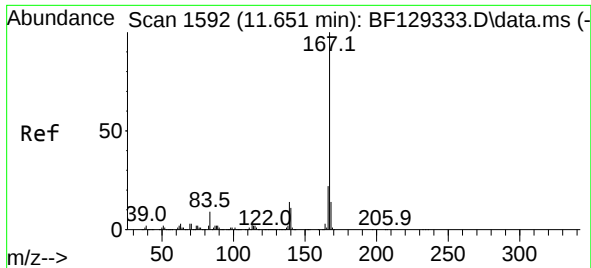
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#72
Anthracene
Concen: 28.485 ng
RT: 11.486 min Scan# 1564
Delta R.T. 0.006 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

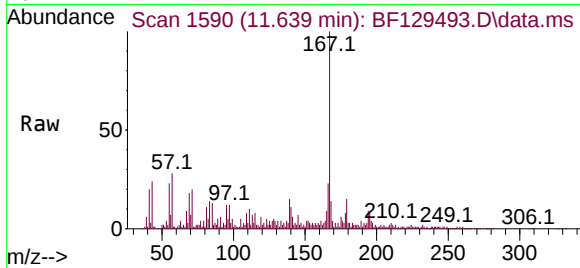
Tgt Ion:178 Resp: 537744
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.5 12.6 19.0





#73
 Carbazole
 Concen: 4.424 ng
 RT: 11.639 min Scan# 1590
 Delta R.T. -0.000 min
 Lab File: BF129493.D
 Acq: 02 Aug 2022 01:43

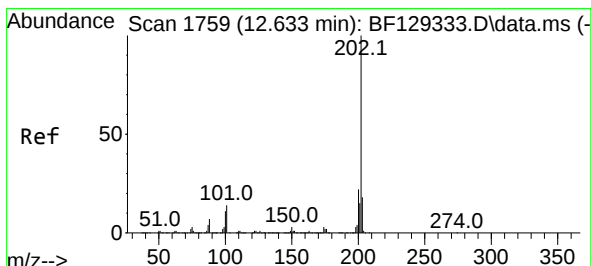
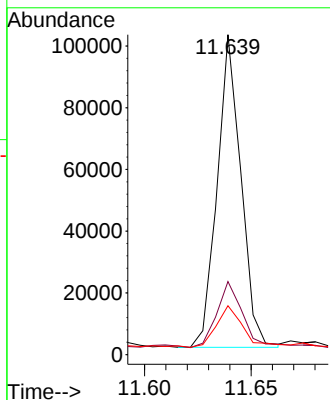
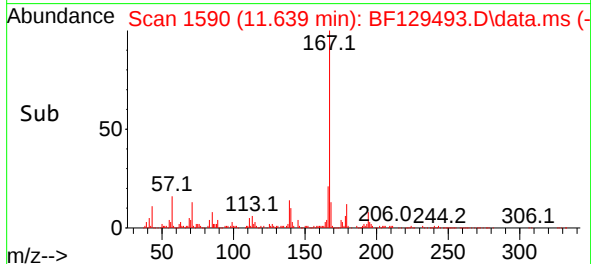
Instrument : BNA_F
 ClientSampleId : OR-3-072922



Tgt Ion:167 Resp: 78611
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.7 26.5
 139 15.3 11.2 16.8

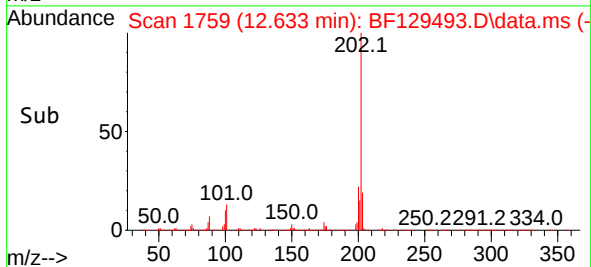
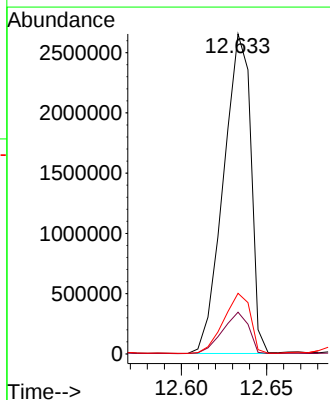
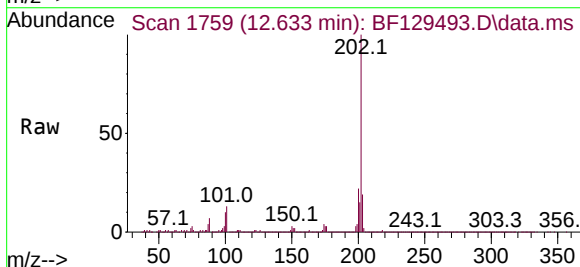
Manual Integrations
 APPROVED

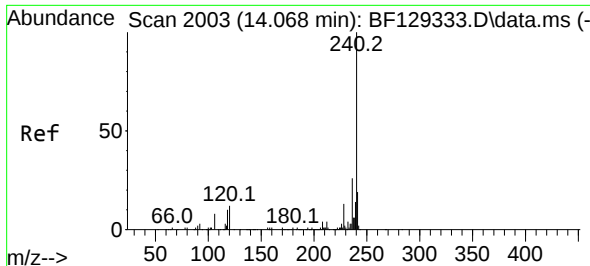
Reviewed By :Christian Giraldo 08/02/2022
 Supervised By :Jagrut Upadhyay 08/02/2022



#75
 Fluoranthene
 Concen: 152.163 ng
 RT: 12.633 min Scan# 1759
 Delta R.T. 0.012 min
 Lab File: BF129493.D
 Acq: 02 Aug 2022 01:43

Tgt Ion:202 Resp: 2961772
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 31.4
 203 18.9 0.0 38.0





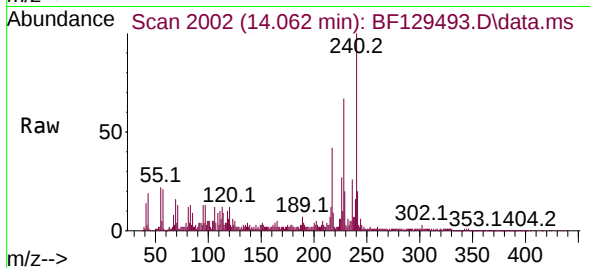
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2003
Delta R.T. 0.012 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

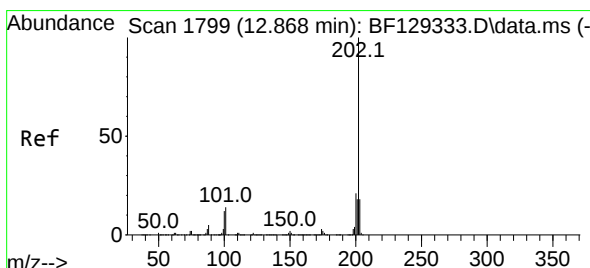
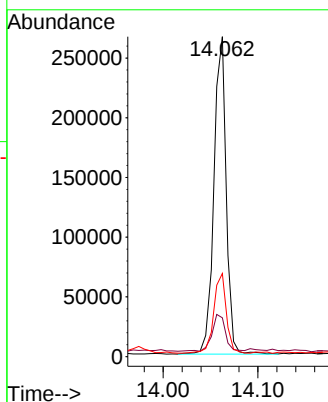
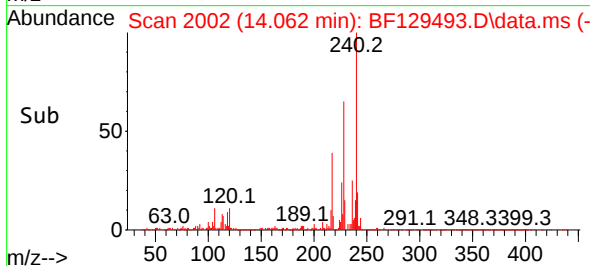


Tgt Ion:240 Resp: 240676
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 26.0 20.8 31.2

Manual Integrations

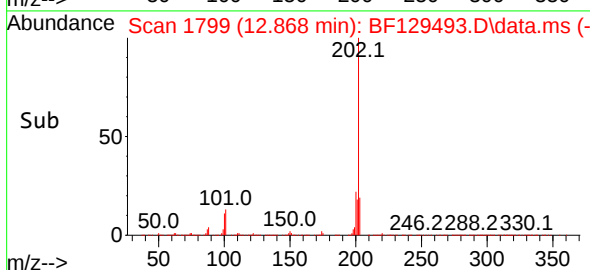
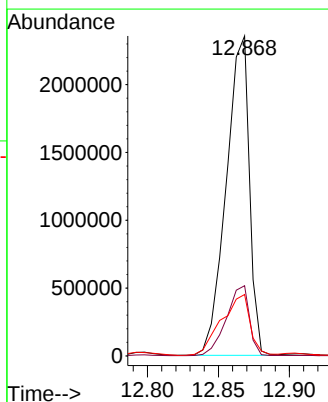
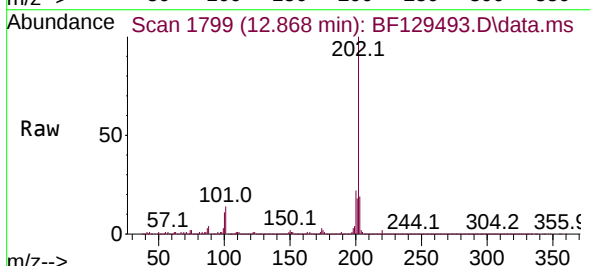
APPROVED

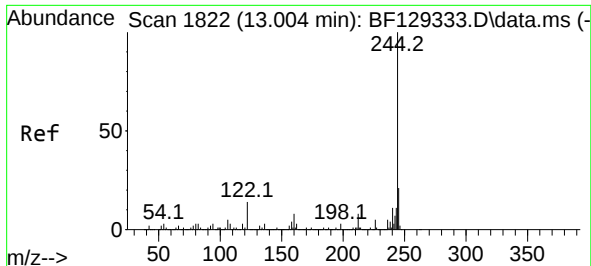
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#78
Pyrene
Concen: 132.685 ng
RT: 12.868 min Scan# 1799
Delta R.T. 0.018 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Tgt Ion:202 Resp: 2670412
Ion Ratio Lower Upper
202 100
200 21.9 17.7 26.5
203 19.2 14.6 21.8





#79
 Terphenyl-d14
 Concen: 67.503 ng
 RT: 12.992 min Scan# 1822
 Delta R.T. 0.006 min
 Lab File: BF129493.D
 Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

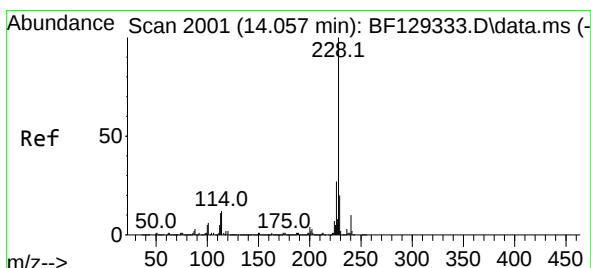
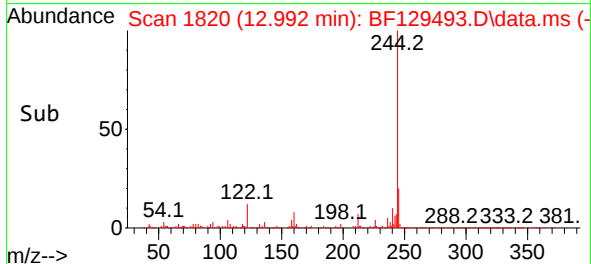
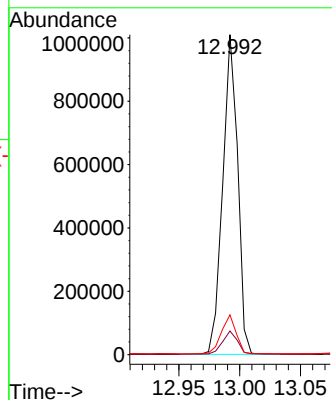
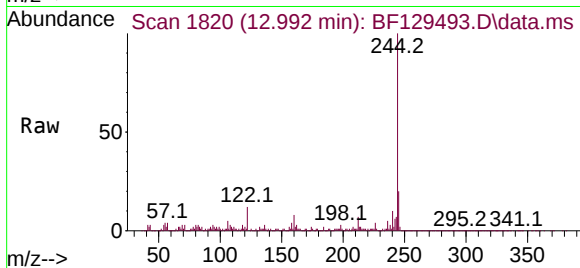
OR-3-072922

Tgt Ion:244 Resp: 86115
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 12.5 8.8 13.2

Manual Integrations

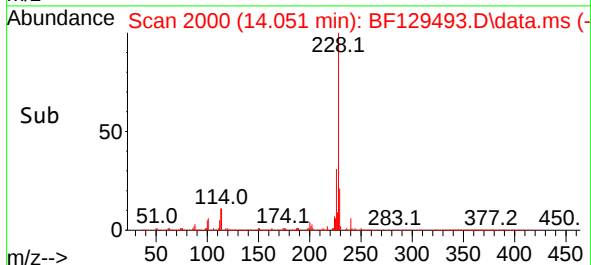
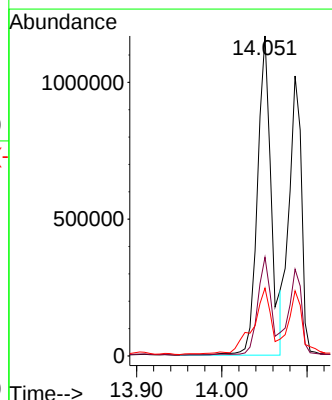
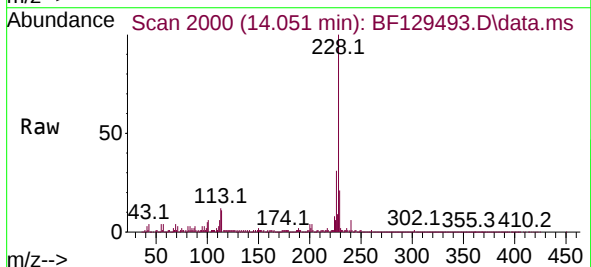
APPROVED

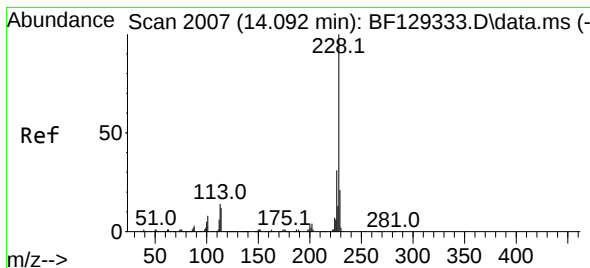
Reviewed By :Christian Giraldo 08/02/2022
 Supervised By :Jagrut Upadhyay 08/02/2022



#81
 Benzo(a)anthracene
 Concen: 79.689 ng
 RT: 14.051 min Scan# 2000
 Delta R.T. 0.012 min
 Lab File: BF129493.D
 Acq: 02 Aug 2022 01:43

Tgt Ion:228 Resp: 1310135
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.1 33.1
 229 21.2 15.8 23.8





#83

Chrysene

Concen: 65.993 ng

RT: 14.086 min Scan# 2007

Delta R.T. 0.012 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

ClientSampleId :

OR-3-072922

Tgt Ion:228 Resp: 1022539

Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

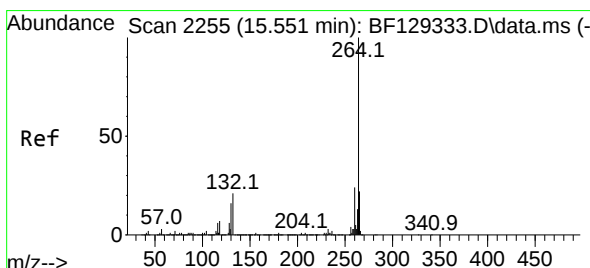
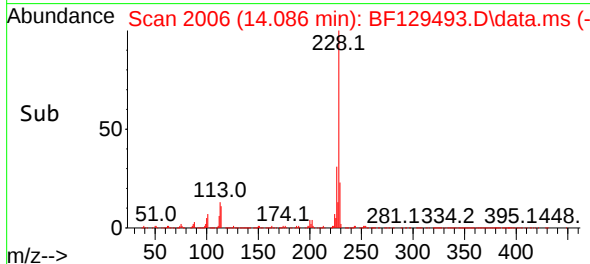
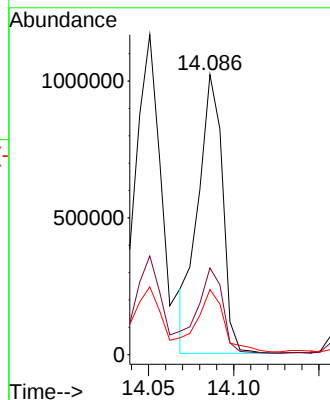
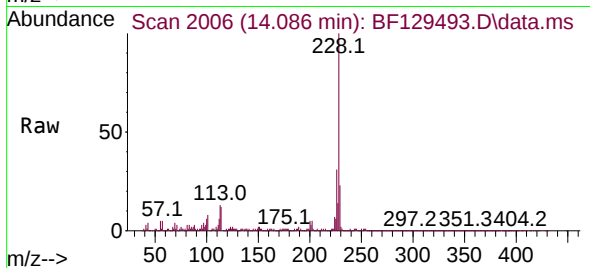
229 23.3 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/02/2022

Supervised By :Jagrut Upadhyay 08/02/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2255

Delta R.T. 0.023 min

Lab File: BF129493.D

Acq: 02 Aug 2022 01:43

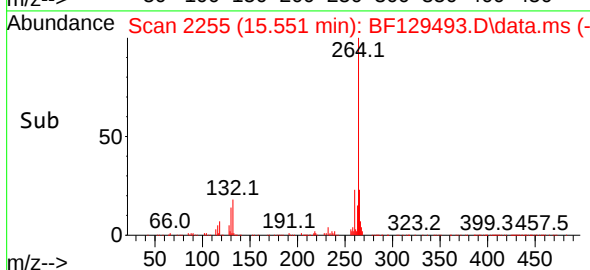
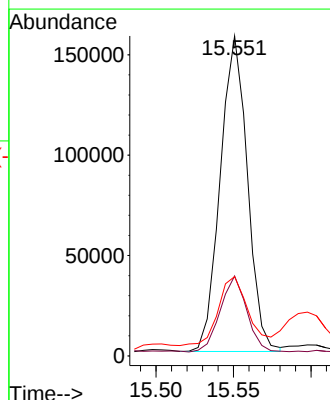
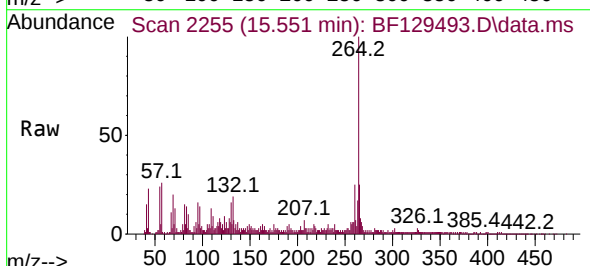
Tgt Ion:264 Resp: 192622

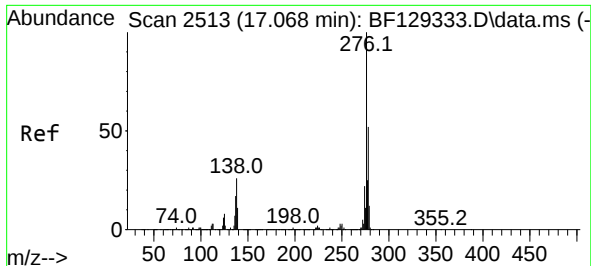
Ion Ratio Lower Upper

264 100

260 25.0 18.4 27.6

265 24.8 17.2 25.8





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 42.774 ng
 RT: 17.062 min Scan# 2513
 Delta R.T. 0.029 min
 Lab File: BF129493.D
 Acq: 02 Aug 2022 01:43

Instrument :

BNA_F

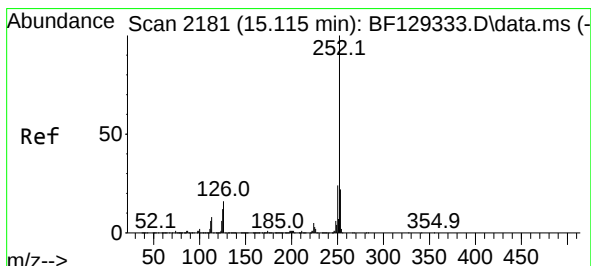
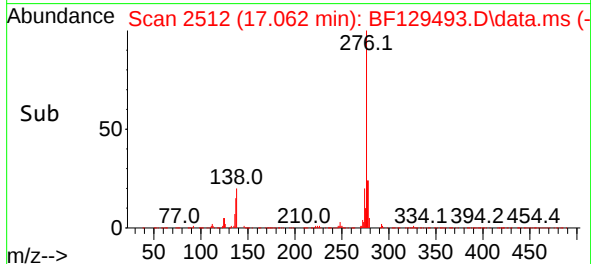
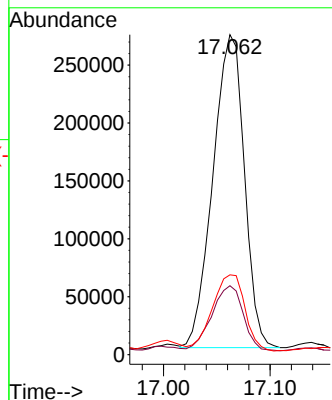
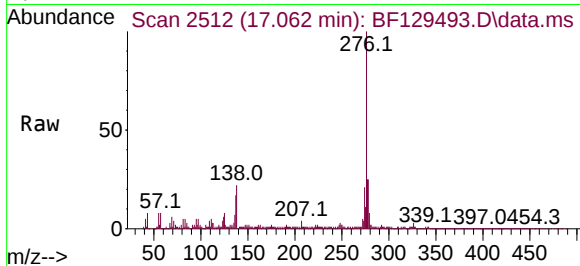
ClientSampleId :

OR-3-072922

Tgt Ion:276 Resp: 55484
 Ion Ratio Lower Upper
 276 100
 138 20.8 21.1 31.7
 277 25.3 20.3 30.5

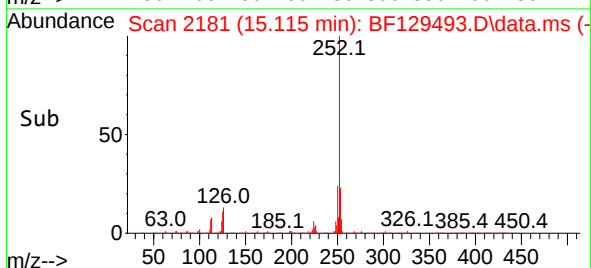
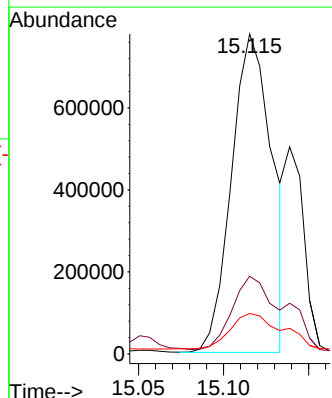
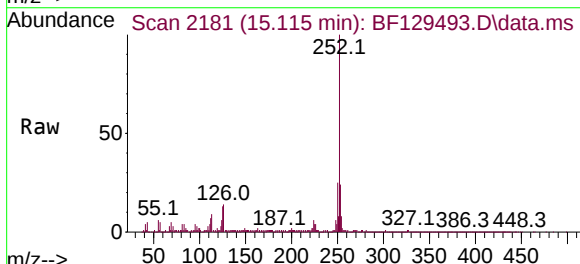
Manual Integrations
 APPROVED

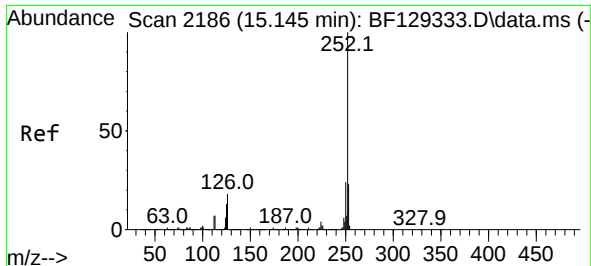
Reviewed By :Christian Giraldo 08/02/2022
 Supervised By :Jagrut Upadhyay 08/02/2022



#88
 Benzo(b)fluoranthene
 Concen: 100.570 ng m
 RT: 15.115 min Scan# 2181
 Delta R.T. 0.023 min
 Lab File: BF129493.D
 Acq: 02 Aug 2022 01:43

Tgt Ion:252 Resp: 1285000
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.7 26.5
 125 12.6 8.0 12.0#





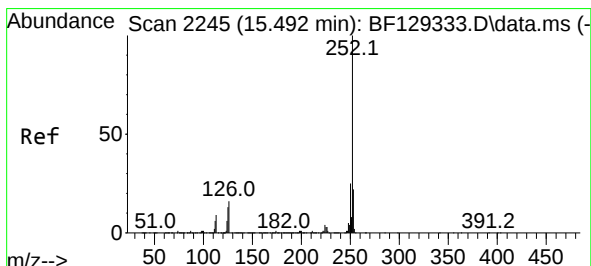
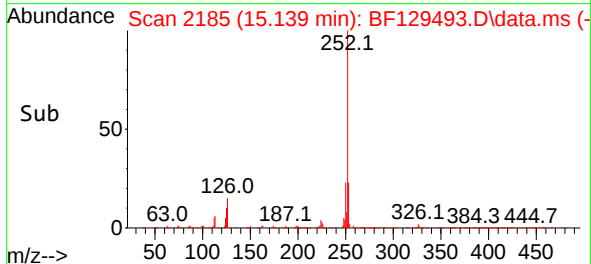
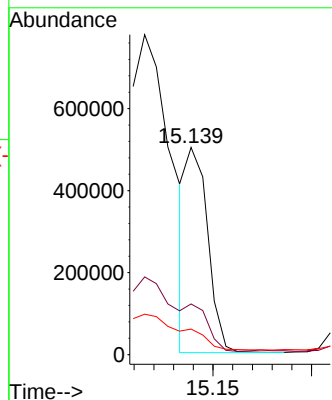
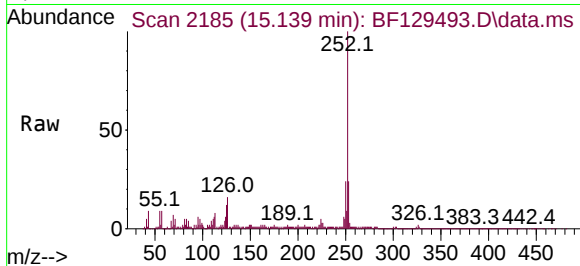
#89
Benzo(k)fluoranthene
Concen: 30.334 ng m
RT: 15.139 min Scan# 2186
Delta R.T. 0.018 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Instrument :
BNA_F
ClientSampleId :
OR-3-072922

Tgt Ion:252 Resp: 379819
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 12.3 8.3 12.5

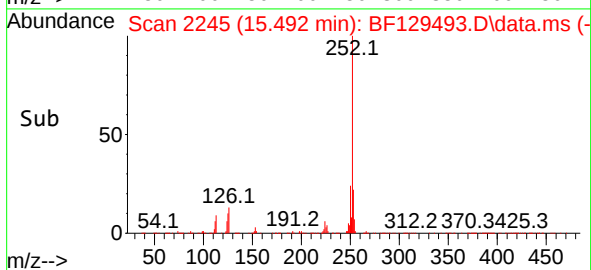
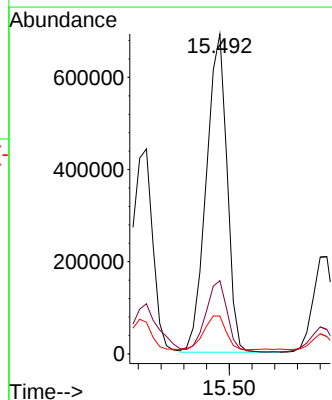
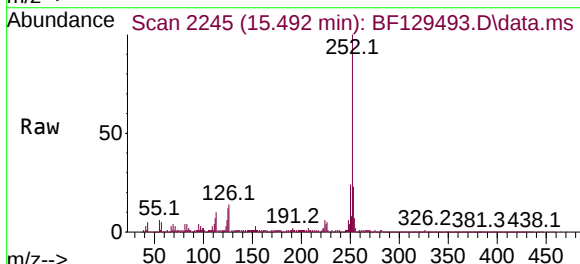
Manual Integrations
APPROVED

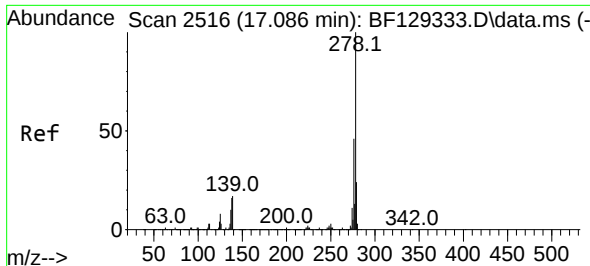
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#90
Benzo(a)pyrene
Concen: 84.510 ng
RT: 15.492 min Scan# 2245
Delta R.T. 0.023 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Tgt Ion:252 Resp: 876552
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 11.8 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 13.252 ng
RT: 17.068 min Scan# 2516
Delta R.T. 0.023 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Instrument :

BNF_F

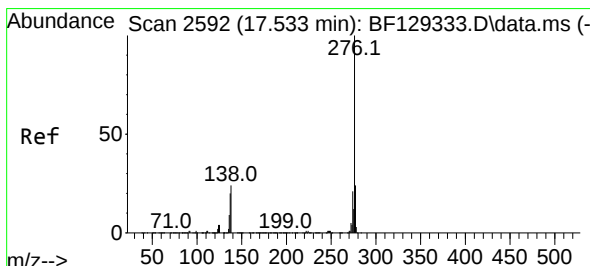
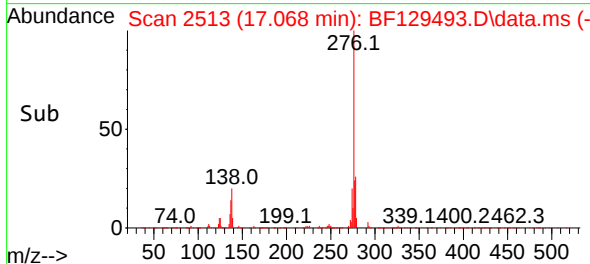
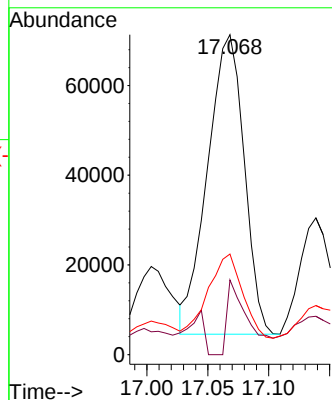
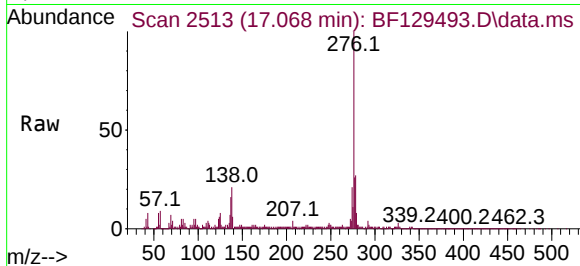
ClientSampleId :

OR-3-072922

Tgt Ion:278 Resp: 139913
Ion Ratio Lower Upper
278 100
139 23.3 12.8 19.2
279 31.4 18.6 28.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#92
Benzo(g,h,i)perylene
Concen: 49.050 ng
RT: 17.527 min Scan# 2591
Delta R.T. 0.035 min
Lab File: BF129493.D
Acq: 02 Aug 2022 01:43

Tgt Ion:276 Resp: 529156
Ion Ratio Lower Upper
276 100
277 23.5 19.1 28.7
138 21.3 18.0 27.0

