

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
 Data File : BF129492.D
 Acq On : 02 Aug 2022 01:12
 Operator : CG\JU
 Sample : N3979-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-072922

Quant Time: Aug 02 02:17:05 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	136047	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	445111	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	202260	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	366208	20.000	ng	0.00
76) Chrysene-d12	14.057	240	296302	20.000	ng	0.00
86) Perylene-d12	15.539	264	222338	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	801068	95.918	ng	0.00
7) Phenol-d6	6.522	99	888948	84.682	ng	0.00
23) Nitrobenzene-d5	7.440	82	534773	65.585	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	185529	95.408	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	824253	63.042	ng	0.00
79) Terphenyl-d14	13.010	244	1001839	63.788	ng	0.02
Target Compounds						Qvalue
49) Acenaphthylene	9.775	152	97296	5.366	ng	99
58) Fluorene	10.463	166	34058	2.607	ng	94
71) Phenanthrene	11.428	178	411219	20.571	ng	98
72) Anthracene	11.481	178	93358	4.752	ng	99
75) Fluoranthene	12.634	202	738417	36.457	ng	99
78) Pyrene	12.869	202	840809	33.934	ng	97
81) Benzo(a)anthracene	14.045	228	381148	18.831	ng	94
83) Chrysene	14.080	228	377180	19.773	ng	96
87) Indeno(1,2,3-cd)pyrene	17.045	276	157267	10.504	ng	94
88) Benzo(b)fluoranthene	15.104	252	388321m	26.330	ng	
89) Benzo(k)fluoranthene	15.127	252	112675m	7.796	ng	
90) Benzo(a)pyrene	15.475	252	269052	22.473	ng	# 95
91) Dibenzo(a,h)anthracene	17.045	278	42939	3.524	ng	# 82
92) Benzo(g,h,i)perylene	17.504	276	163117	13.099	ng	98

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

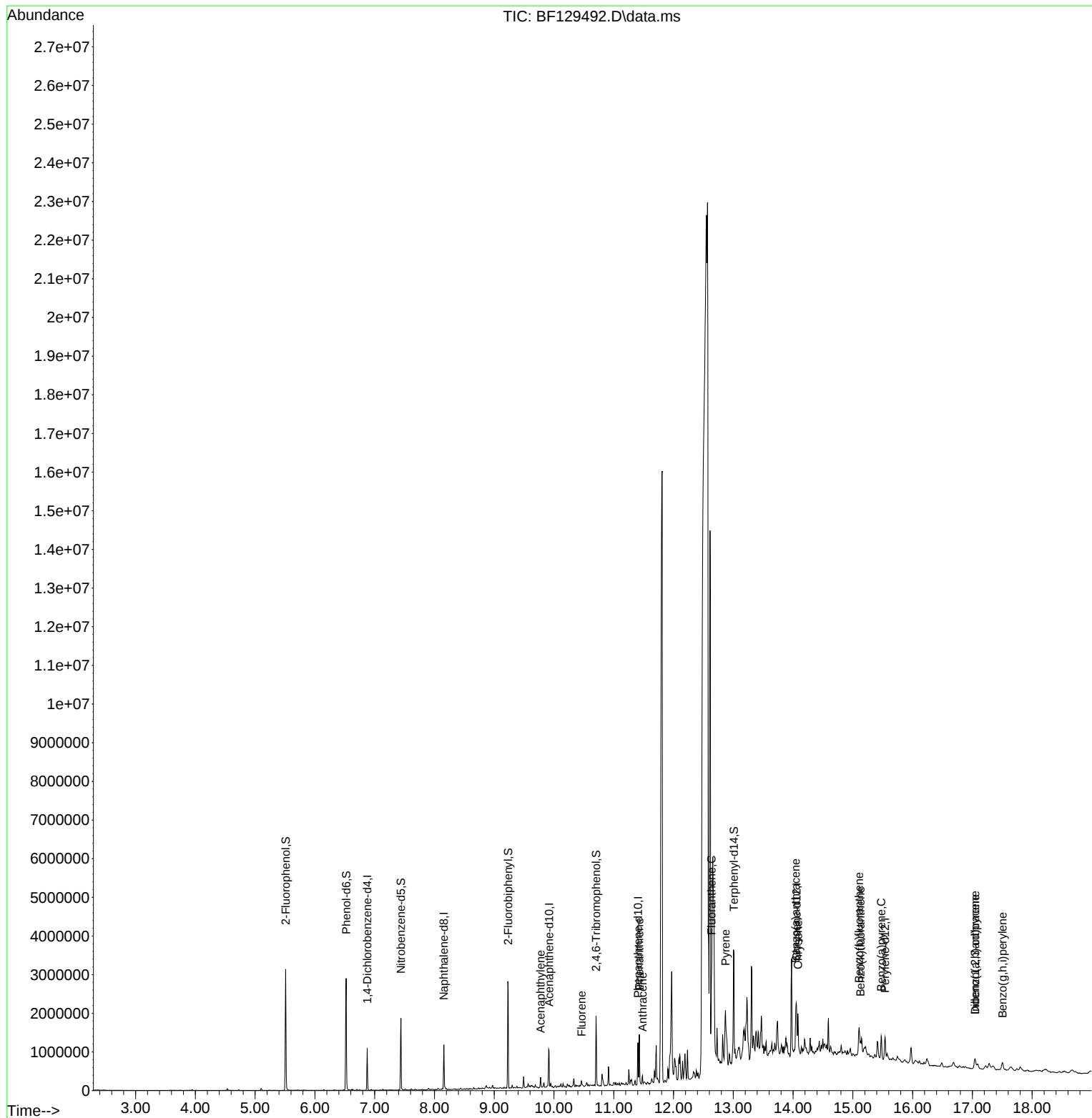
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129492.D
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ALS Vial : 18 Sample Multiplier: 1

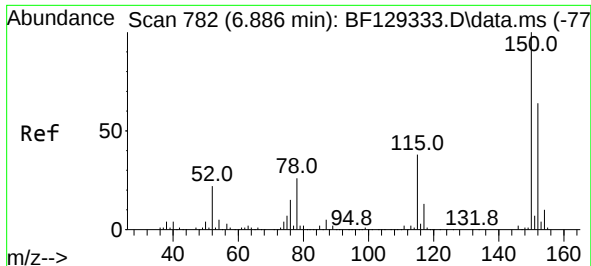
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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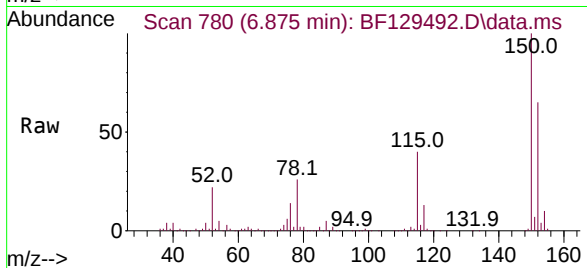
Reviewed By : Christian Giraldo 08/02/2022
Supervised By : Jagrut Upadhyay 08/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 782
Delta R.T. 0.000 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

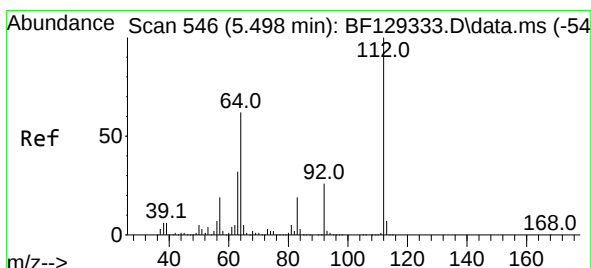
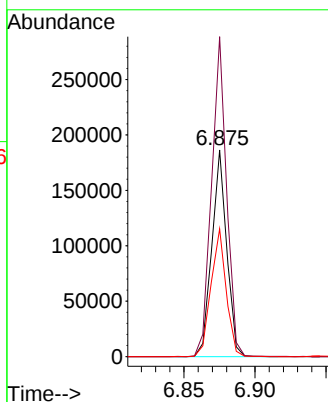
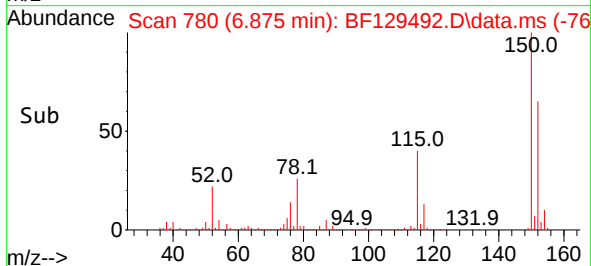
Instrument :
BNA_F
ClientSampleId :
TR-06-072922



Tgt Ion:152 Resp: 136042
Ion Ratio Lower Upper
152 100
150 154.9 123.7 185.5
115 61.9 49.9 74.9

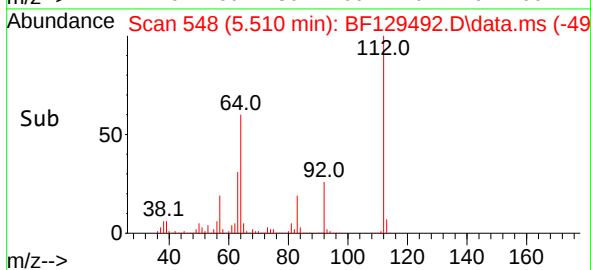
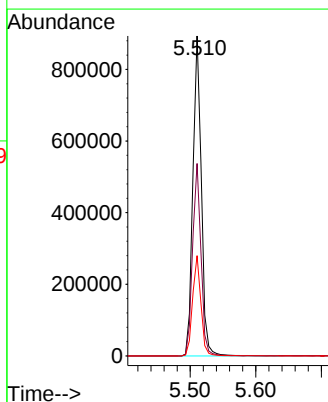
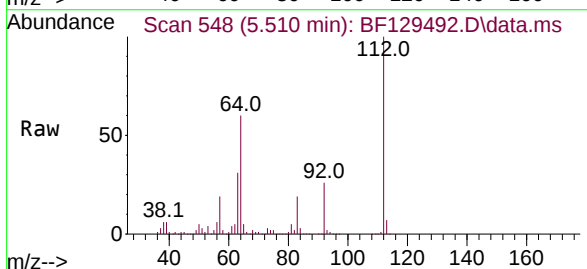
Manual Integrations
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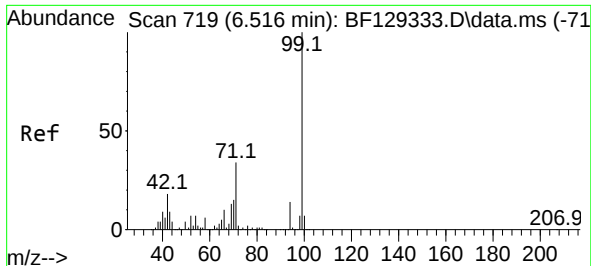
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#5
2-Fluorophenol
Concen: 95.918 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.006 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

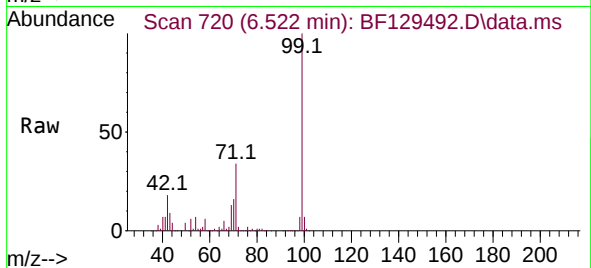
Tgt Ion:112 Resp: 801068
Ion Ratio Lower Upper
112 100
64 60.2 53.3 79.9
63 31.3 28.0 42.0





#7
Phenol-d6
Concen: 84.682 ng
RT: 6.522 min Scan# 719
Delta R.T. 0.000 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

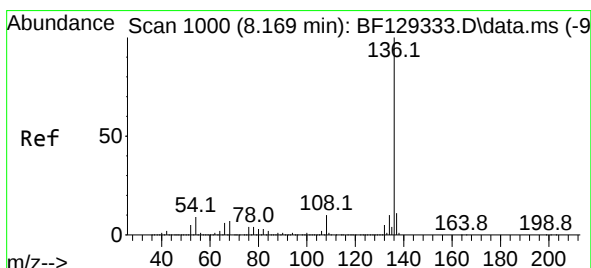
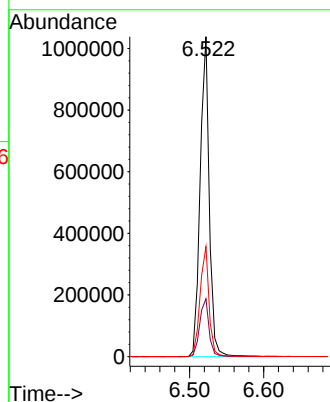
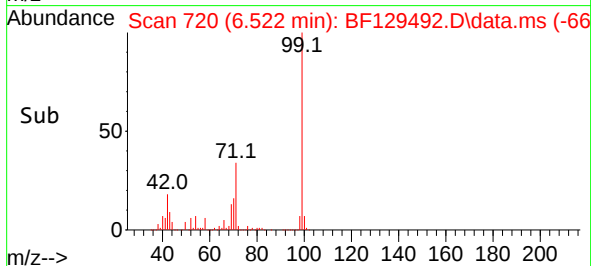
Instrument :
BNA_F
ClientSampleId :
TR-06-072922



Tgt Ion: 99 Resp: 888948
Ion Ratio Lower Upper
99 100
42 18.1 17.3 25.9
71 34.4 28.9 43.3

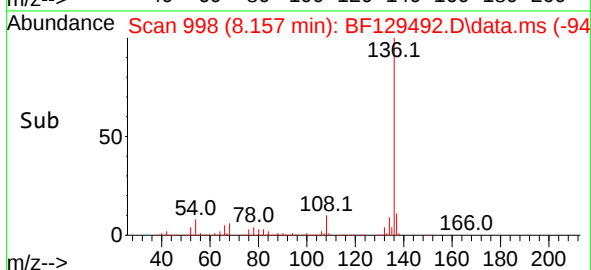
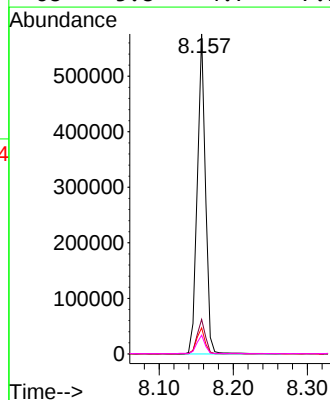
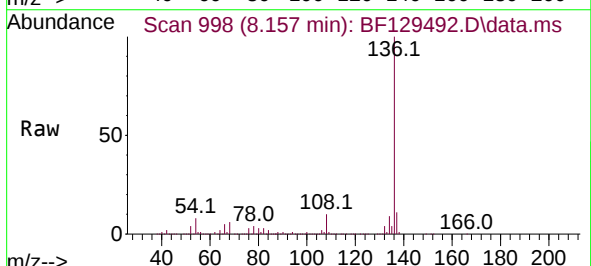
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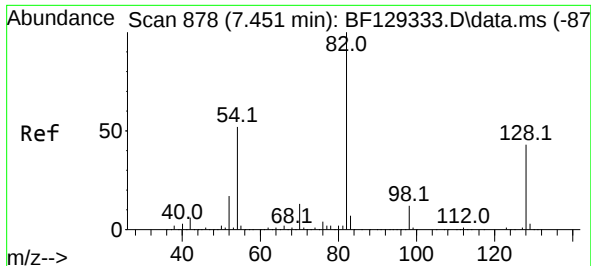
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Tgt Ion:136 Resp: 445111
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.1 7.5 11.3
68 5.8 4.7 7.1





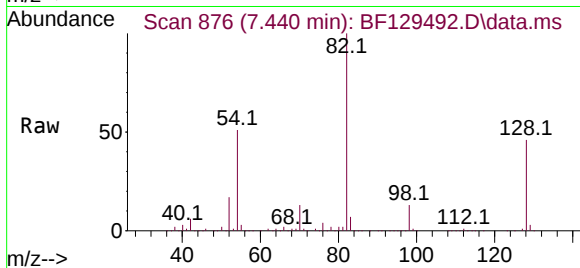
#23
Nitrobenzene-d5
Concen: 65.585 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

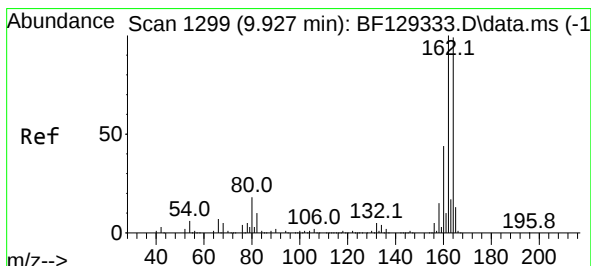
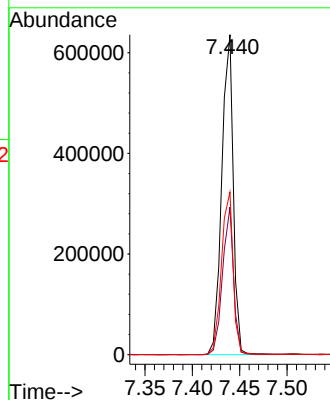
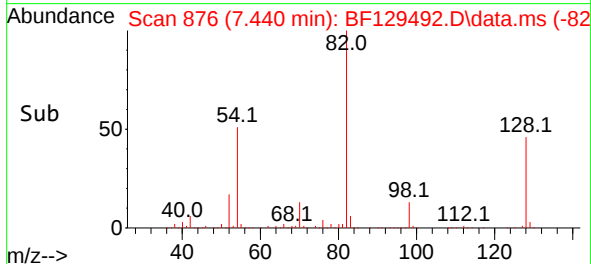


Tgt Ion: 82 Resp: 534773
Ion Ratio Lower Upper
82 100
128 46.1 34.0 51.0
54 50.8 46.9 70.3

Manual Integrations

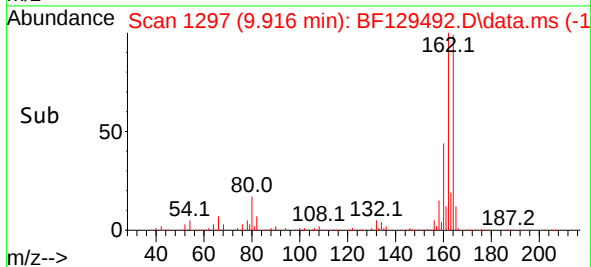
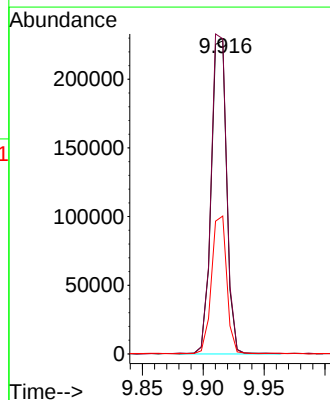
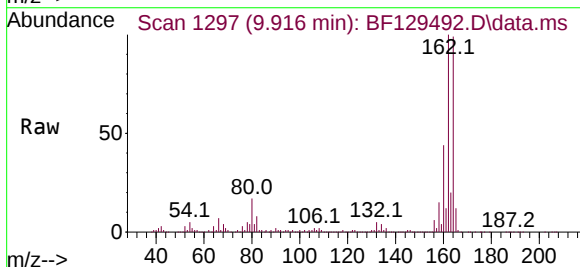
APPROVED

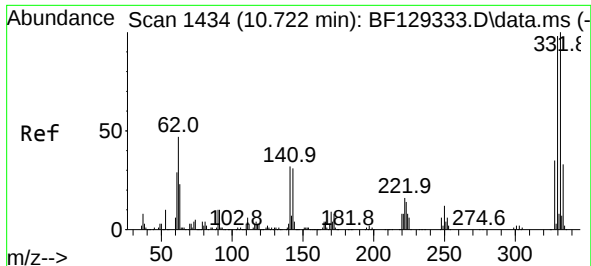
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1297
Delta R.T. 0.000 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Tgt Ion:164 Resp: 202260
Ion Ratio Lower Upper
164 100
162 100.7 79.5 119.3
160 44.0 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 95.408 ng
RT: 10.704 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

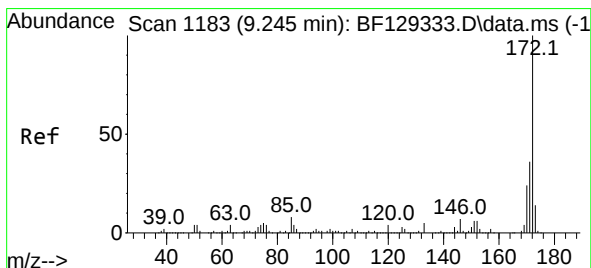
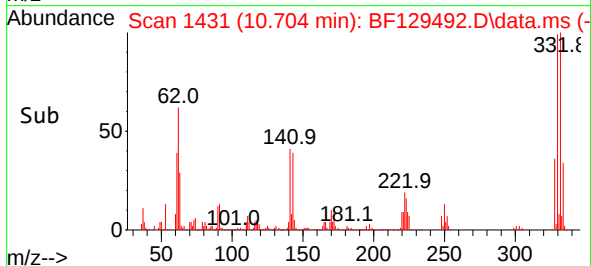
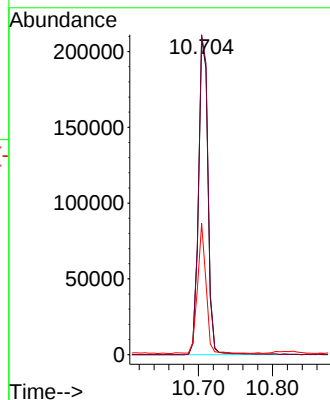
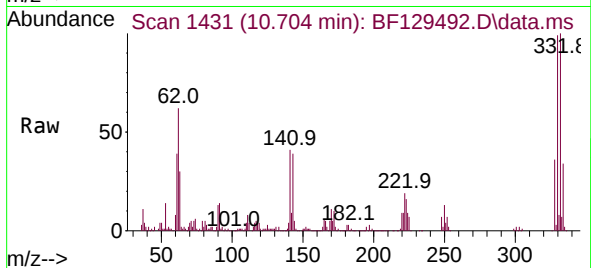
TR-06-072922

Tgt Ion: 330 Resp: 185529
Ion Ratio Lower Upper
330 100
332 101.8 76.8 115.2
141 37.2 28.0 42.0

Manual Integrations

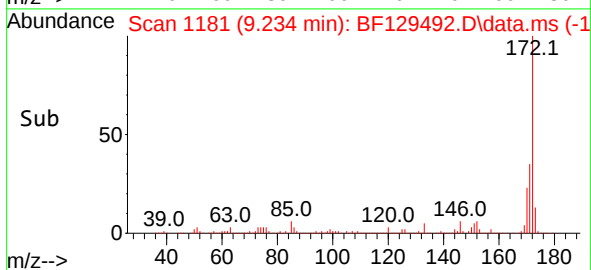
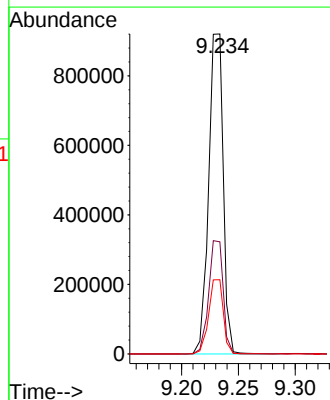
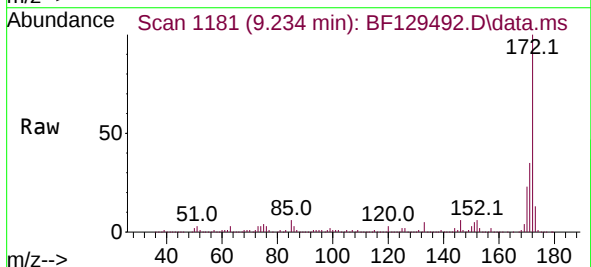
APPROVED

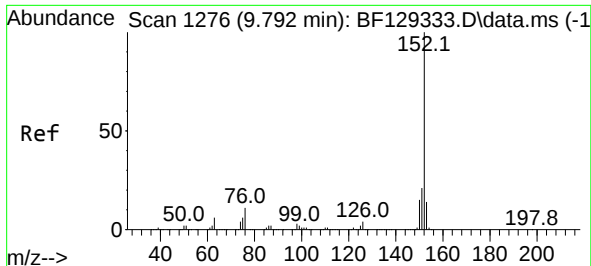
Reviewed By : Christian Giraldo 08/02/2022
Supervised By : Jagrut Upadhyay 08/02/2022



#45
2-Fluorobiphenyl
Concen: 63.042 ng
RT: 9.234 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Tgt Ion: 172 Resp: 824253
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.2 19.8 29.8





#49

Acenaphthylene

Concen: 5.366 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

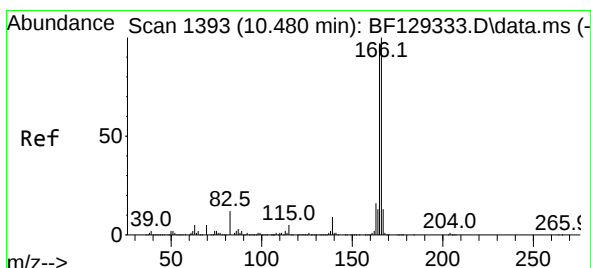
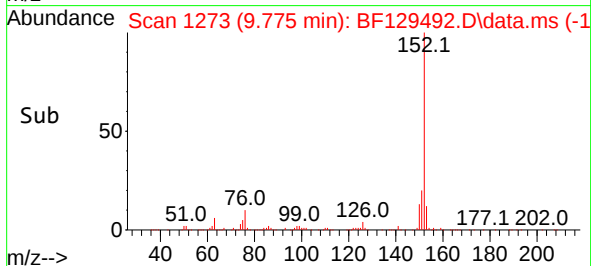
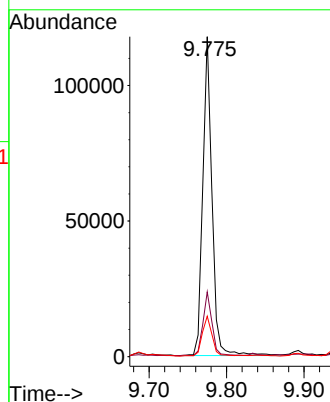
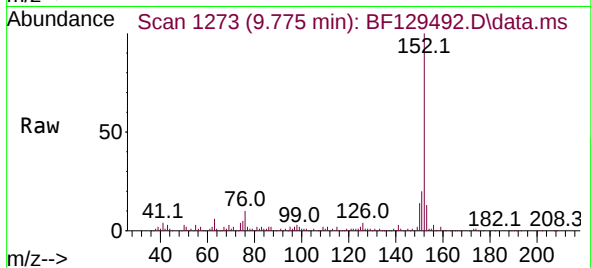
Tgt Ion:	152	Resp:	97296
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.2	24.4
153	12.6	10.7	16.1

Manual Integrations

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Reviewed By :Christian Giraldo 08/02/2022

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#58

Fluorene

Concen: 2.607 ng

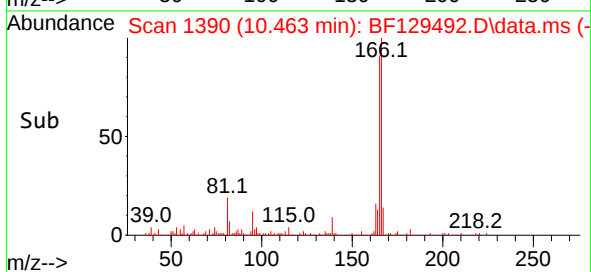
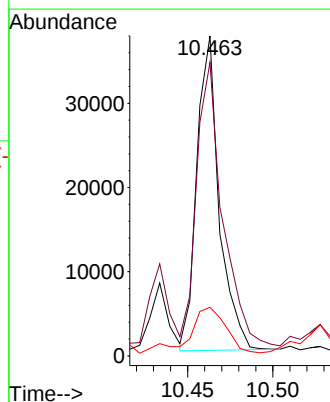
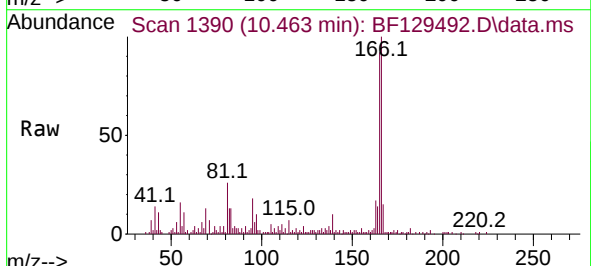
RT: 10.463 min Scan# 1390

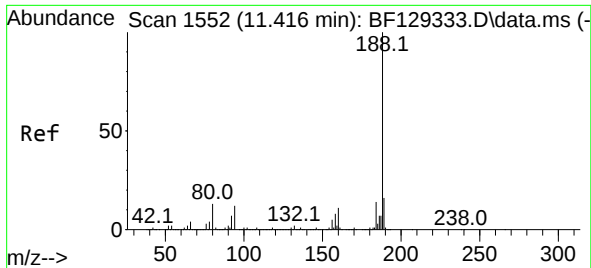
Delta R.T. -0.006 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

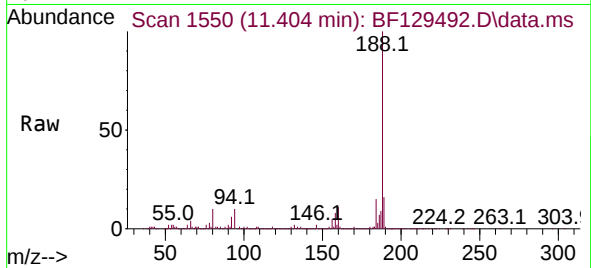
Tgt Ion:	166	Resp:	34058
Ion Ratio	Lower	Upper	
166	100		
165	91.7	78.1	117.1
167	15.2	10.5	15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

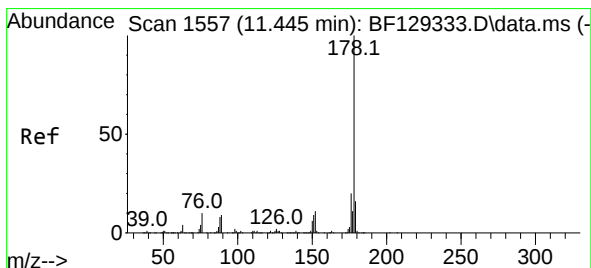
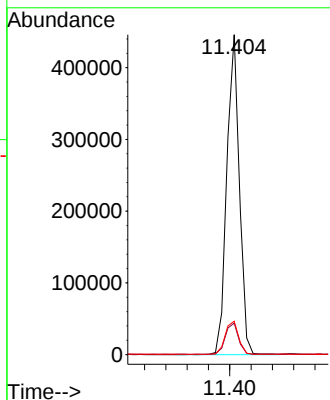
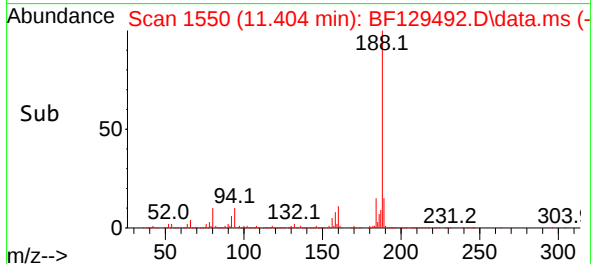
Instrument :
BNA_F
ClientSampleId :
TR-06-072922



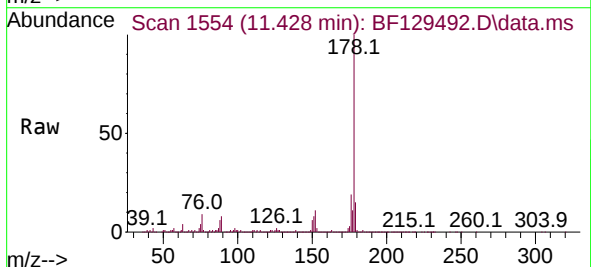
Tgt Ion:188 Resp: 366208
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 10.4 7.6 11.4

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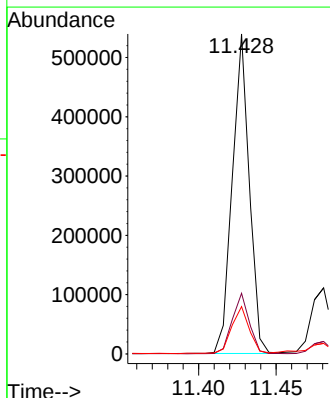
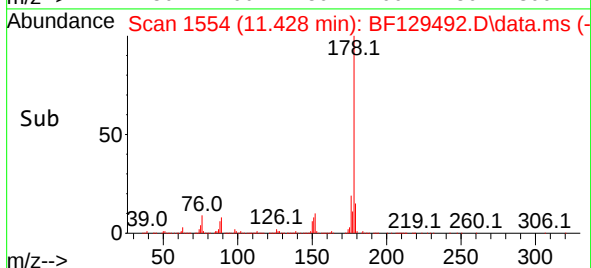
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

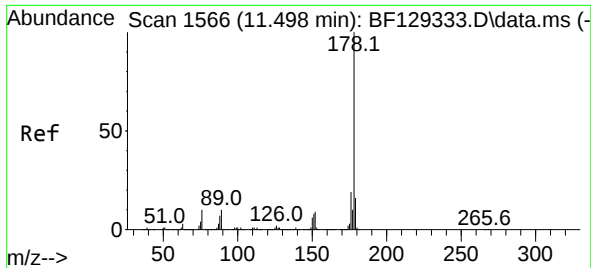


#71
Phenanthrene
Concen: 20.571 ng
RT: 11.428 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12



Tgt Ion:178 Resp: 411219
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 14.8 12.6 19.0





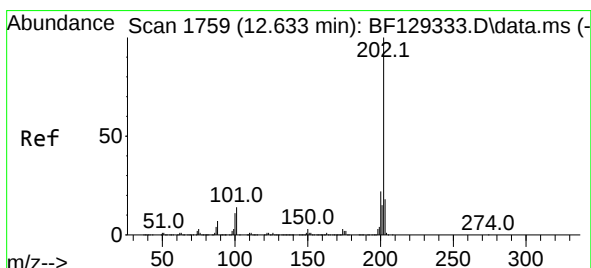
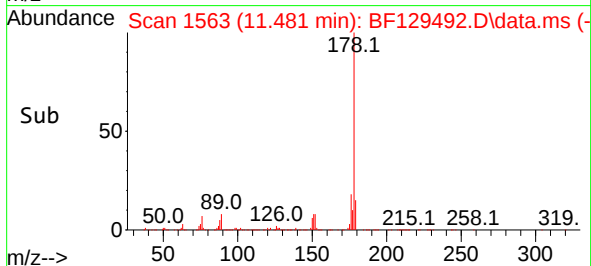
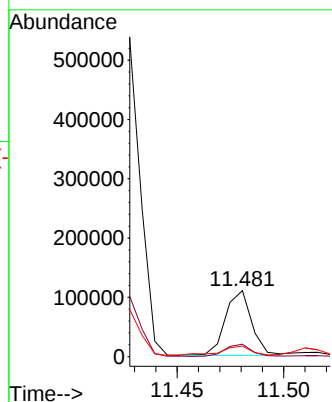
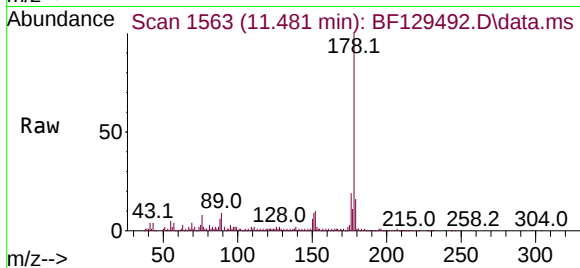
#72
 Anthracene
 Concen: 4.752 ng
 RT: 11.481 min Scan# 1566
 Delta R.T. 0.000 min
 Lab File: BF129492.D
 Acq: 02 Aug 2022 01:12

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-072922

Tgt Ion:178 Resp: 93358
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 15.8 12.6 19.0

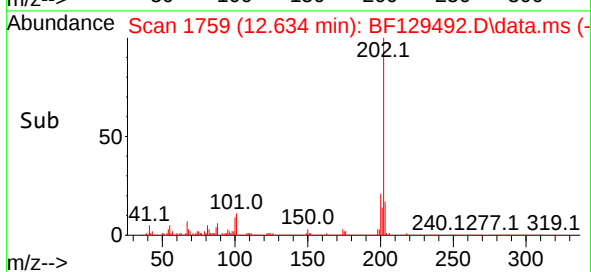
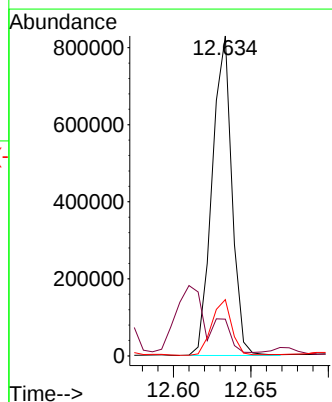
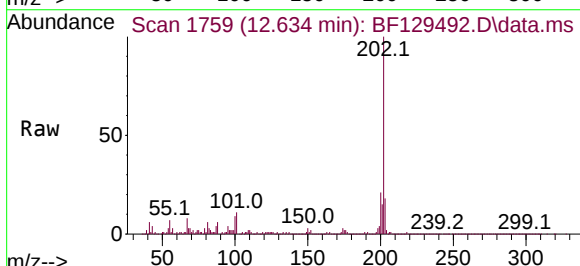
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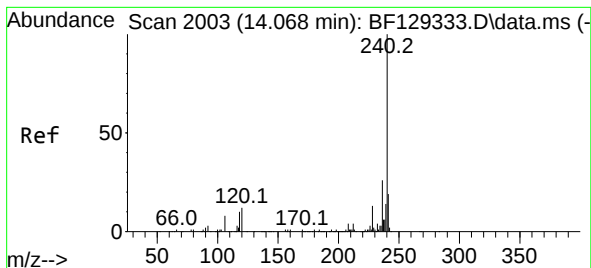
Reviewed By :Christian Giraldo 08/02/2022
 Supervised By :Jagrut Upadhyay 08/02/2022



#75
 Fluoranthene
 Concen: 36.457 ng
 RT: 12.634 min Scan# 1759
 Delta R.T. 0.012 min
 Lab File: BF129492.D
 Acq: 02 Aug 2022 01:12

Tgt Ion:202 Resp: 738417
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 31.4
 203 17.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2003

Delta R.T. 0.006 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

Tgt Ion:240 Resp: 296302

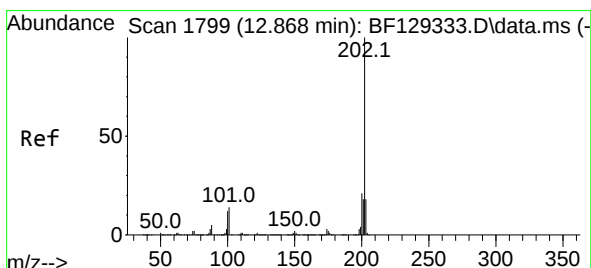
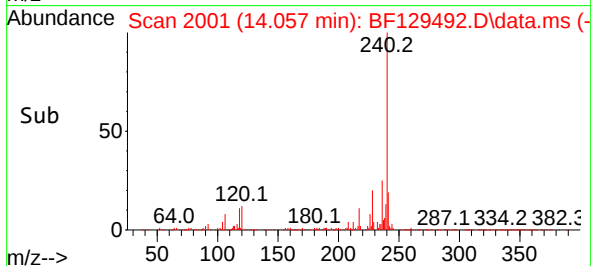
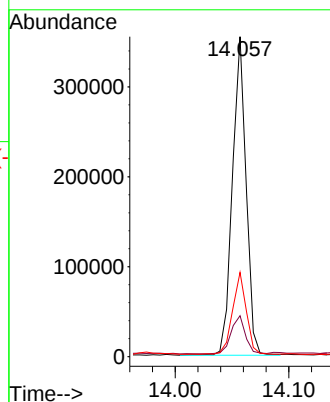
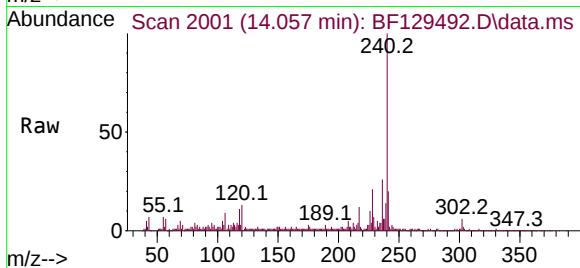
Ion	Ratio	Lower	Upper
240	100		
120	12.8	8.9	13.3
236	26.3	20.8	31.2

Manual Integrations

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Reviewed By :Christian Giraldo 08/02/2022

Supervised By :Jagrut Upadhyay 08/02/2022



#78

Pyrene

Concen: 33.934 ng

RT: 12.869 min Scan# 1799

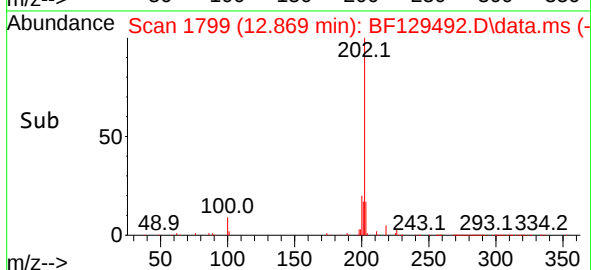
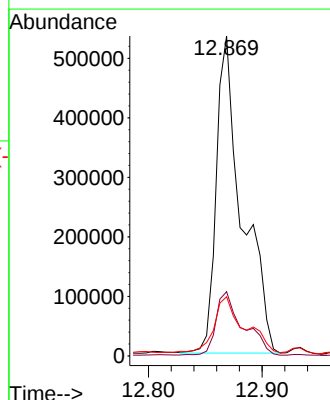
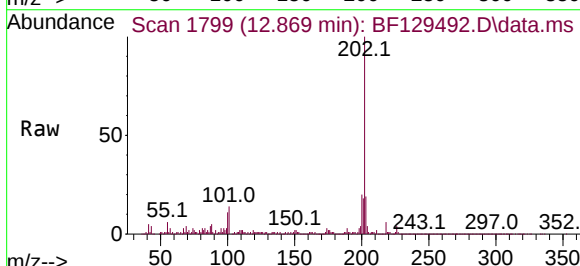
Delta R.T. 0.018 min

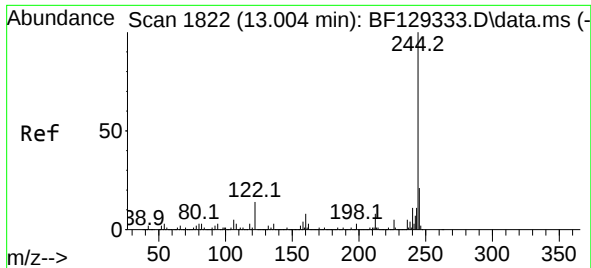
Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Tgt Ion:202 Resp: 840809

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.7	26.5
203	18.5	14.6	21.8





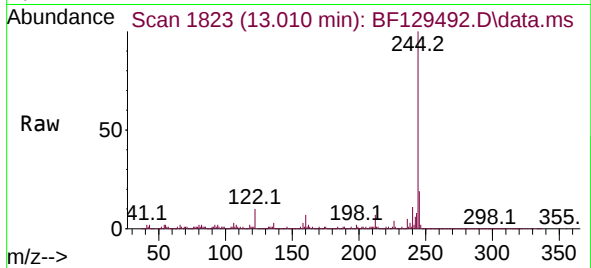
#79
Terphenyl-d14
Concen: 63.788 ng
RT: 13.010 min Scan# 1822
Delta R.T. 0.024 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

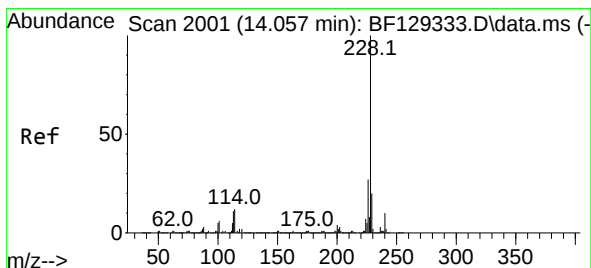
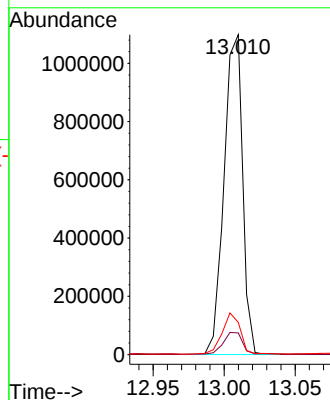
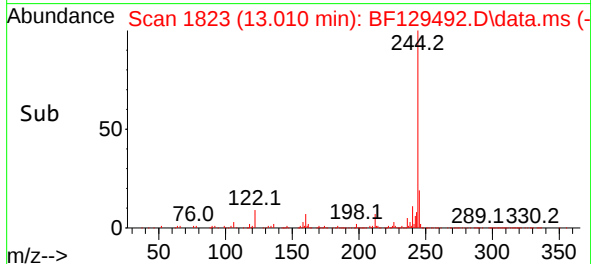


Tgt Ion:244 Resp: 1001839
Ion Ratio Lower Upper
244 100
212 6.8 6.1 9.1
122 10.1 8.8 13.2

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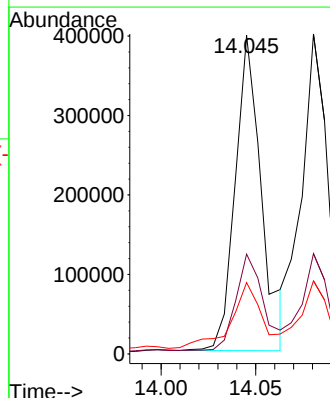
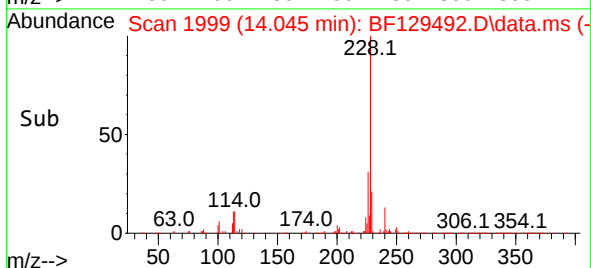
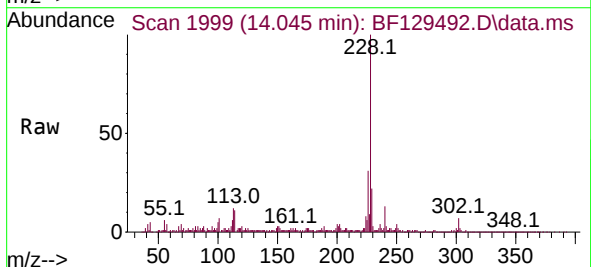
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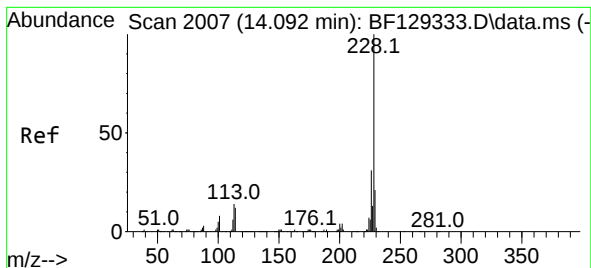
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#81
Benzo(a)anthracene
Concen: 18.831 ng
RT: 14.045 min Scan# 1999
Delta R.T. 0.006 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Tgt Ion:228 Resp: 381148
Ion Ratio Lower Upper
228 100
226 31.3 22.1 33.1
229 22.4 15.8 23.8





#83

Chrysene

Concen: 19.773 ng

RT: 14.080 min Scan# 2007

Delta R.T. 0.006 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

Tgt Ion:228 Resp: 377180

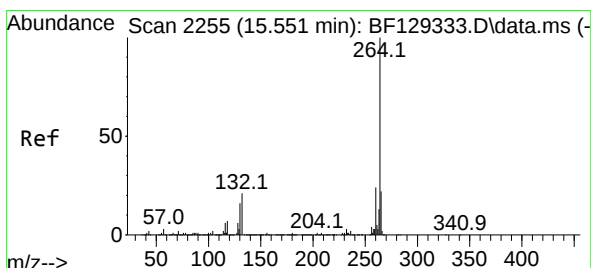
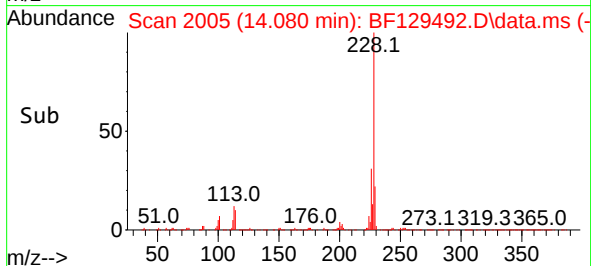
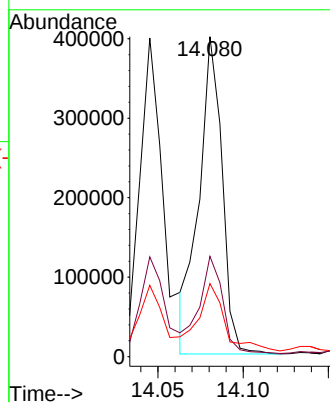
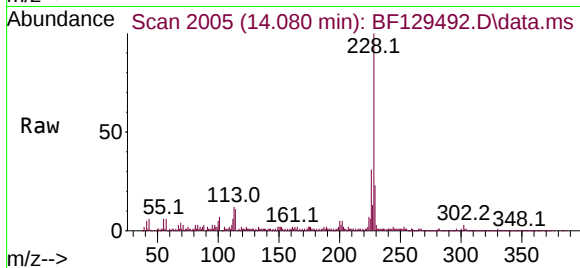
Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.3	36.5
229	22.9	15.9	23.9

Manual Integrations

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Reviewed By :Christian Giraldo 08/02/2022

Supervised By :Jagrut Upadhyay 08/02/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2253

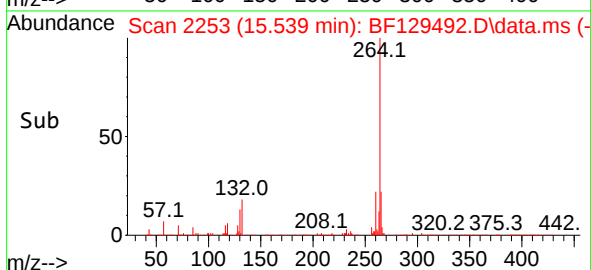
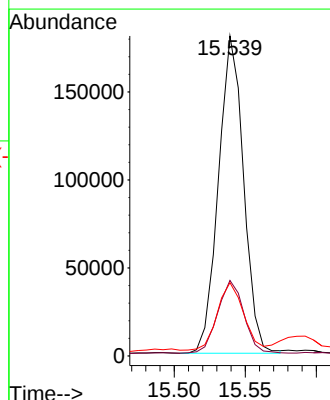
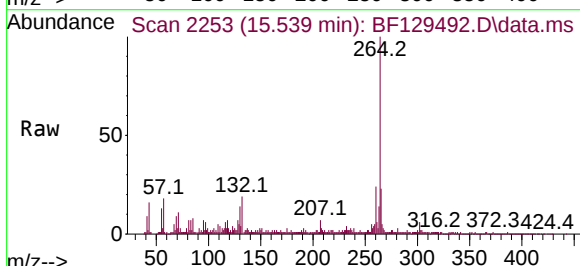
Delta R.T. 0.012 min

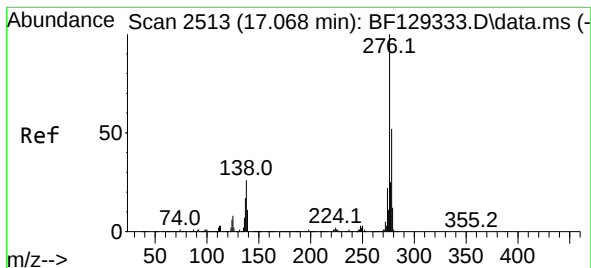
Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Tgt Ion:264 Resp: 222338

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	22.9	17.2	25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.504 ng

RT: 17.045 min Scan# 2179

Delta R.T. 0.012 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

Tgt Ion:276 Resp: 15726

Ion Ratio Lower Upper

276 100

138 21.7 21.1 31.7

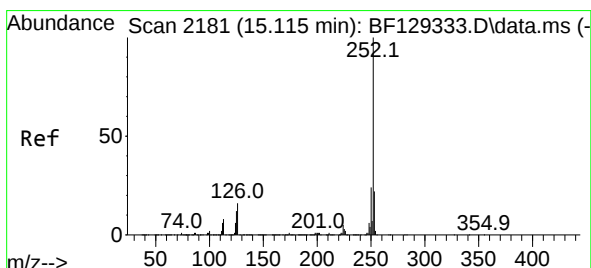
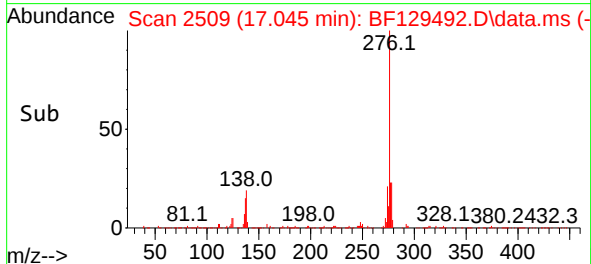
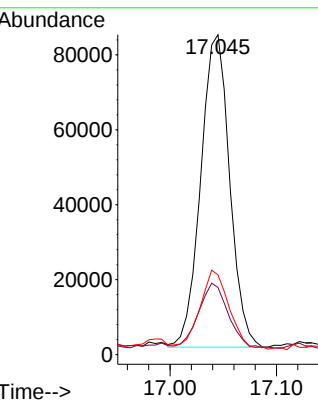
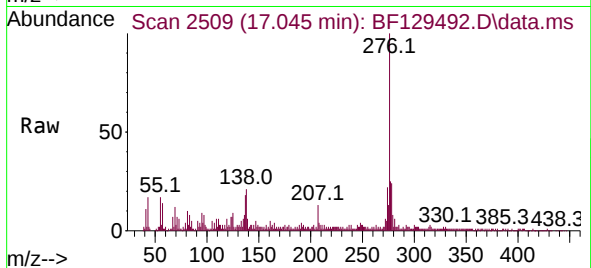
277 24.5 20.3 30.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/02/2022

Supervised By :Jagrut Upadhyay 08/02/2022



#88

Benzo(b)fluoranthene

Concen: 26.330 ng m

RT: 15.104 min Scan# 2179

Delta R.T. 0.012 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

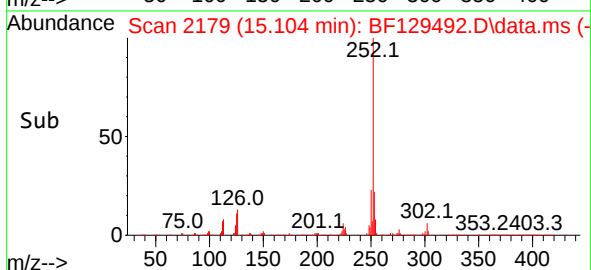
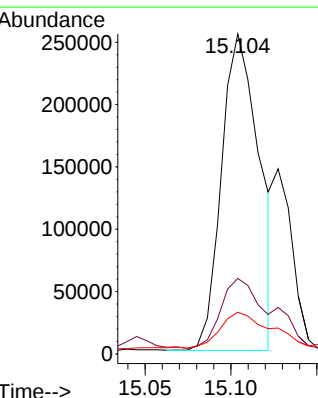
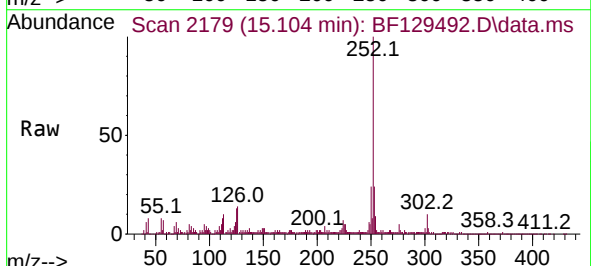
Tgt Ion:252 Resp: 388321

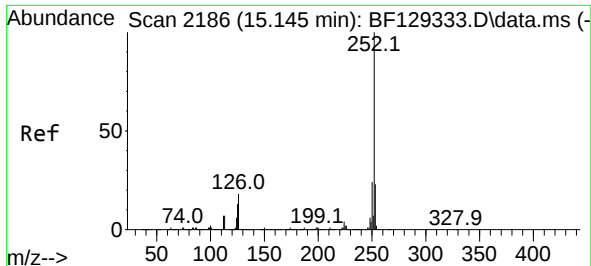
Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 13.0 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 7.796 ng m

RT: 15.127 min Scan# 2186

Delta R.T. 0.006 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

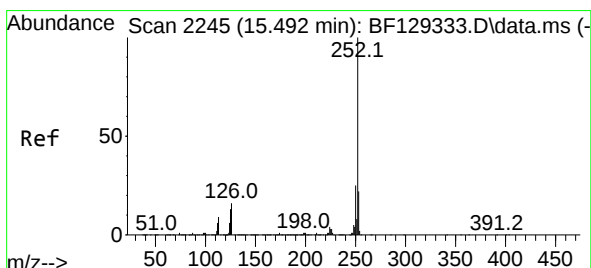
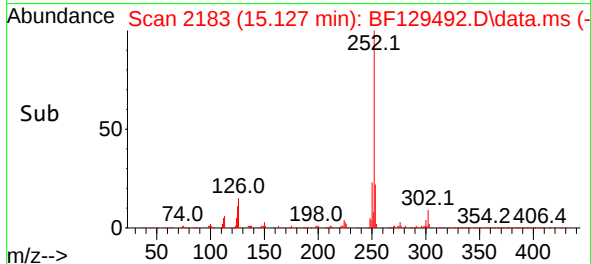
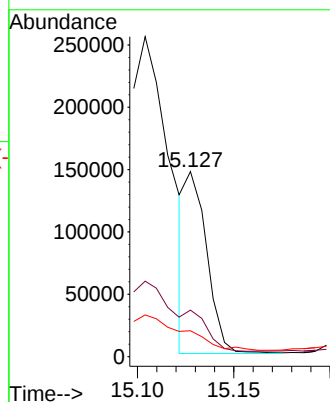
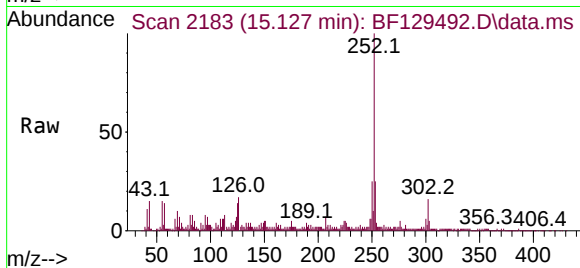
TR-06-072922

Tgt Ion:252 Resp: 112675
 Ion Ratio Lower Upper
 252 100
 253 25.2 17.8 26.6
 125 14.0 8.3 12.5

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 22.473 ng

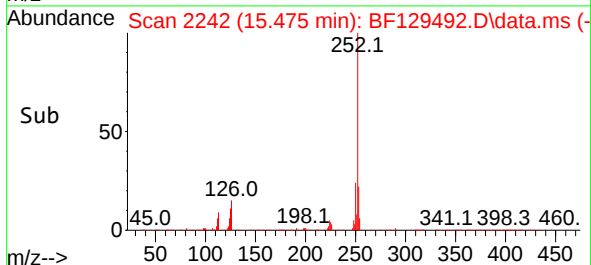
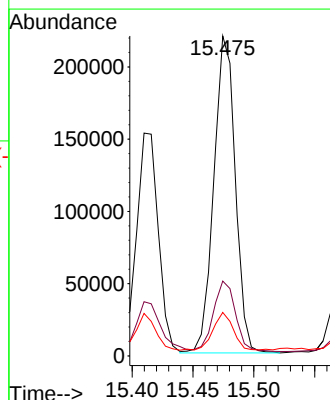
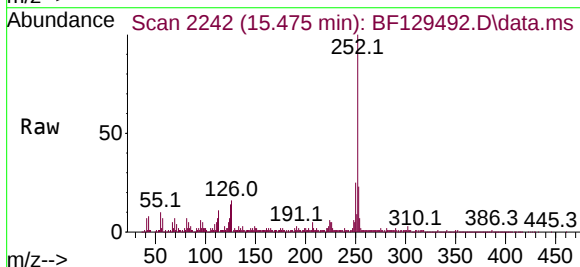
RT: 15.475 min Scan# 2242

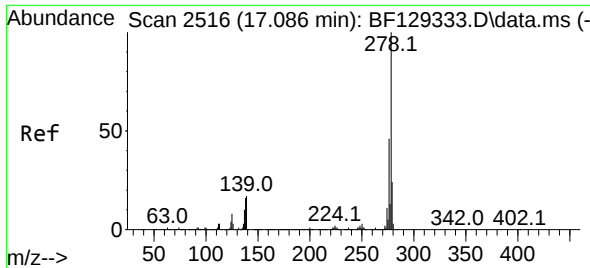
Delta R.T. 0.006 min

Lab File: BF129492.D

Acq: 02 Aug 2022 01:12

Tgt Ion:252 Resp: 269052
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.0 25.6
 125 13.6 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 3.524 ng
RT: 17.045 min Scan# 2509
Delta R.T. 0.000 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Instrument :

BNA_F

ClientSampleId :

TR-06-072922

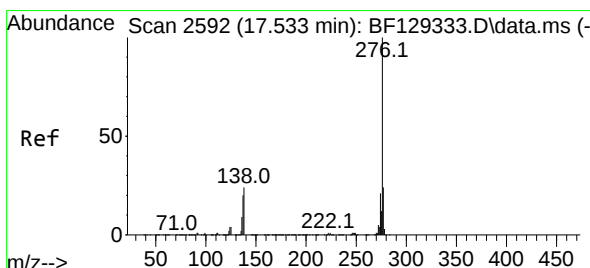
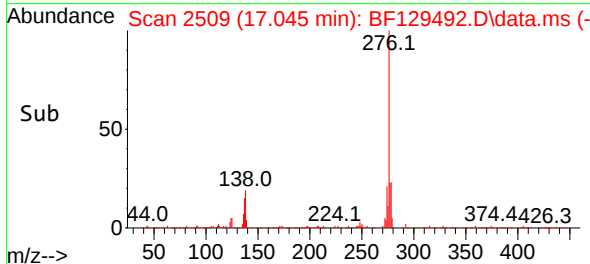
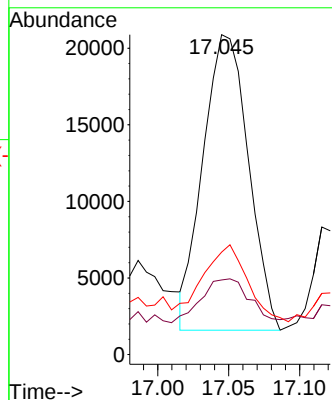
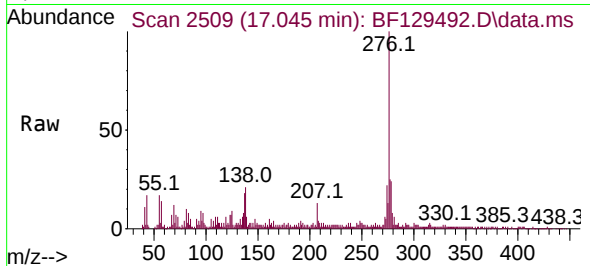
Tgt Ion:278 Resp: 42939
Ion Ratio Lower Upper
278 100
139 23.3 12.8 19.2
279 32.0 18.6 28.0

Manual Integrations

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Reviewed By :Christian Giraldo 08/02/2022

Supervised By :Jagrut Upadhyay 08/02/2022



#92
Benzo(g,h,i)perylene
Concen: 13.099 ng
RT: 17.504 min Scan# 2587
Delta R.T. 0.012 min
Lab File: BF129492.D
Acq: 02 Aug 2022 01:12

Tgt Ion:276 Resp: 163117
Ion Ratio Lower Upper
276 100
277 25.6 19.1 28.7
138 22.7 18.0 27.0

