

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
 Data File : BF129458.D
 Acq On : 30 Jul 2022 00:02
 Operator : CG\JU
 Sample : N3948-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MHA

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/01/2022
 Supervised By : Jagrut Upadhyay 08/01/2022

Quant Time: Jul 30 01:12:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 17:24:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	158942	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	588197	20.000	ng	# 0.00
39) Acenaphthene-d10	9.934	164	290866	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	426122	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	312400	20.000	ng	0.00
86) Perylene-d12	15.557	264	337019	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1254221	128.545	ng	0.02
7) Phenol-d6	6.528	99	1575172	128.439	ng	0.01
23) Nitrobenzene-d5	7.451	82	959140	89.015	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	312707	111.822	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1513892	80.515	ng	0.00
79) Terphenyl-d14	13.004	244	1185649	71.601	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.192	128	288141	9.642	ng	# 92
37) 2-Methylnaphthalene	8.887	142	1094813	56.375	ng	100
38) 1-Methylnaphthalene	8.987	142	719374	38.372	ng	100
46) 1,1'-Biphenyl	9.345	154	58542	2.758	ng	96
52) Acenaphthene	9.963	154	65110	3.823	ng	# 77
58) Fluorene	10.481	166	138429	7.369	ng	# 87
71) Phenanthrene	11.445	178	448405	19.277	ng	97
72) Anthracene	11.498	178	52151m	2.281	ng	
75) Fluoranthene	12.633	202	243194	10.319	ng	98
78) Pyrene	12.863	202	226242	8.660	ng	98
81) Benzo(a)anthracene	14.051	228	120384	5.641	ng	98
83) Chrysene	14.086	228	95664	4.757	ng	95
87) Indeno(1,2,3-cd)pyrene	17.062	276	48645	2.143	ng	95
88) Benzo(b)fluoranthene	15.110	252	144451m	6.462	ng	
90) Benzo(a)pyrene	15.486	252	98566	5.431	ng	# 96
92) Benzo(g,h,i)perylene	17.521	276	42830	2.269	ng	98

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

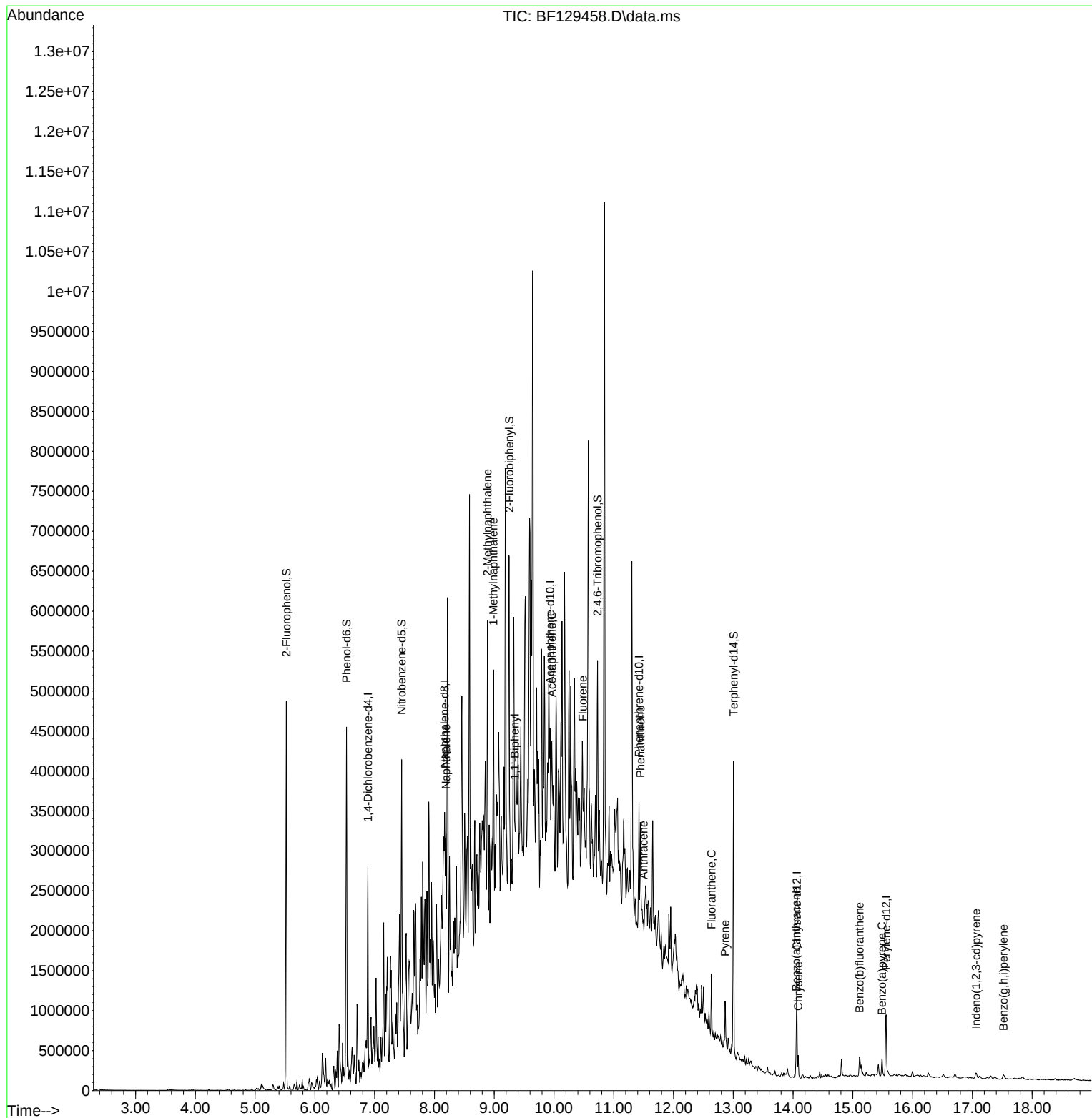
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129458.D
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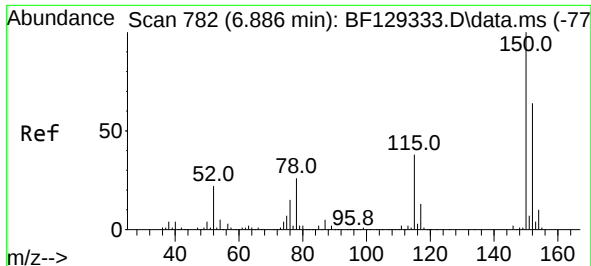
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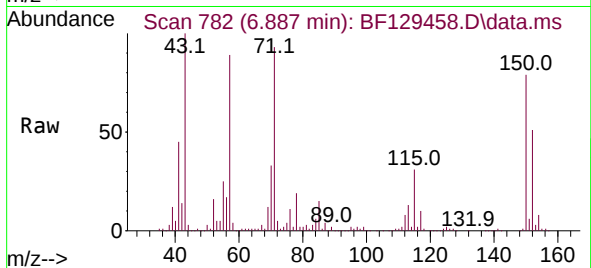
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 25 17:24:17 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 782
Delta R.T. 0.001 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02

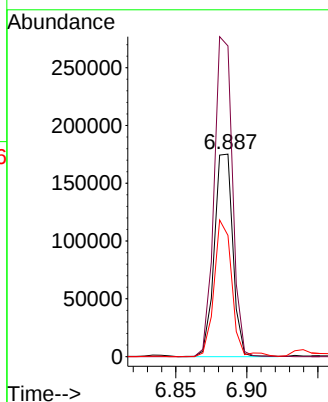
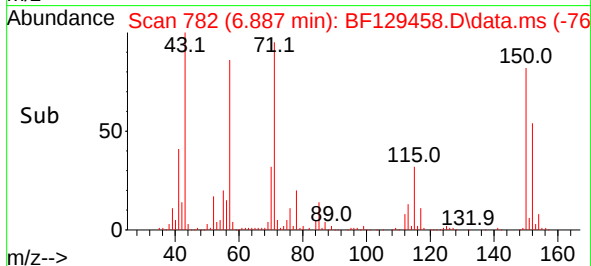
Instrument :
BNA_F
ClientSampleId :
MHA



Tgt Ion:152 Resp: 158942
Ion Ratio Lower Upper
152 100
150 153.5 123.7 185.5
115 59.9 49.9 74.9

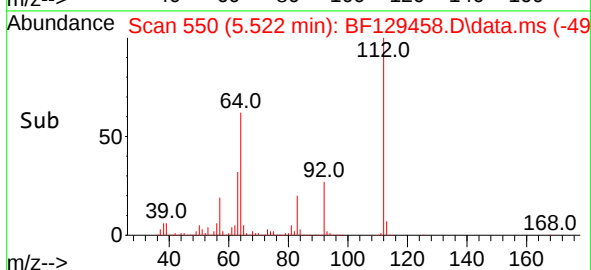
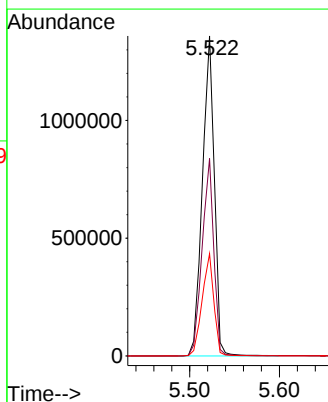
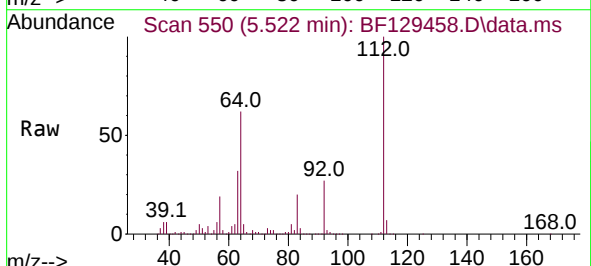
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#5
2-Fluorophenol
Concen: 128.545 ng
RT: 5.522 min Scan# 550
Delta R.T. 0.024 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02

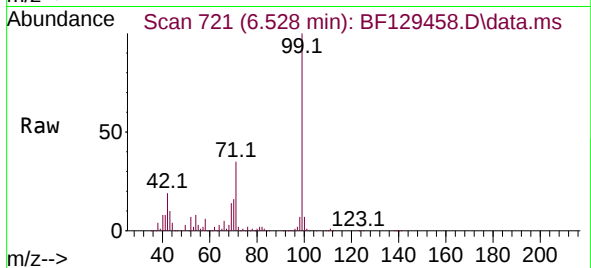
Tgt Ion:112 Resp: 1254221
Ion Ratio Lower Upper
112 100
64 61.7 53.3 79.9
63 31.9 28.0 42.0





#7
Phenol-d6
Concen: 128.439 ng
RT: 6.528 min Scan# 719
Delta R.T. 0.012 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02

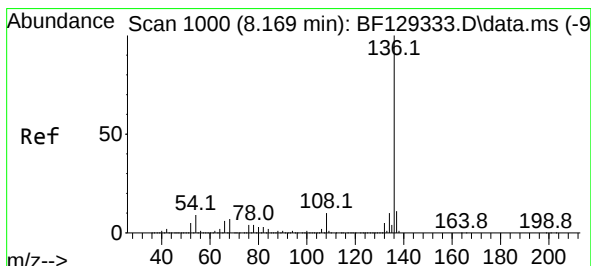
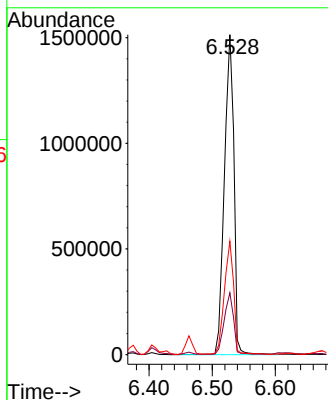
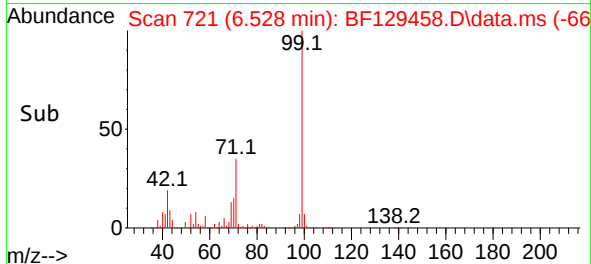
Instrument :
BNA_F
ClientSampleId :
MHA



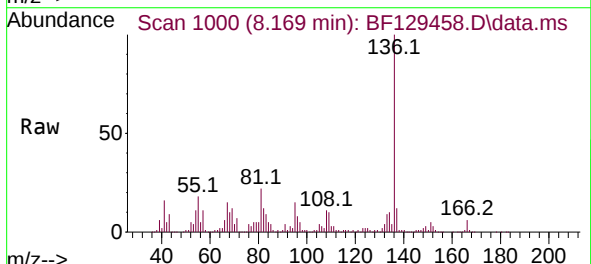
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Ion Ratio Lower Upper
99 100
42 19.4 17.3 25.9
71 35.4 28.9 43.3

Manual Integrations
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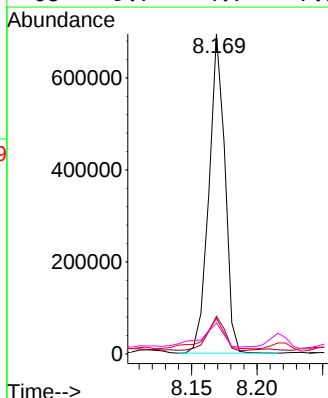
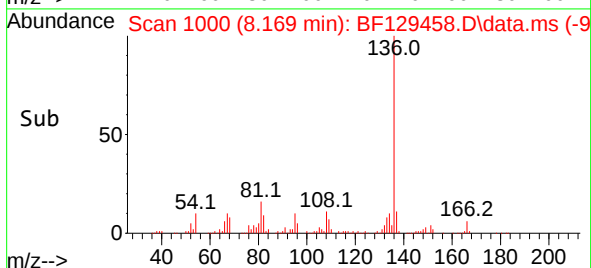
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022

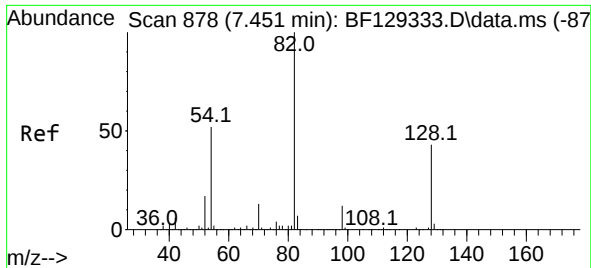


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02



Tgt Ion:136 Resp: 588197
Ion Ratio Lower Upper
136 100
137 11.7 8.8 13.2
54 11.1 7.5 11.3
68 9.7 4.7 7.1#





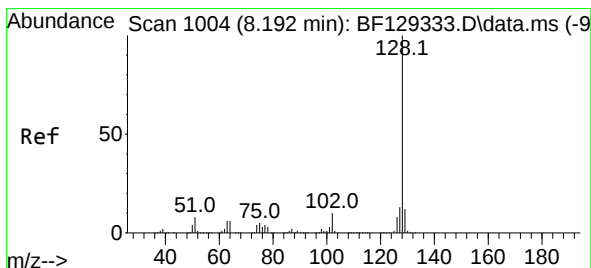
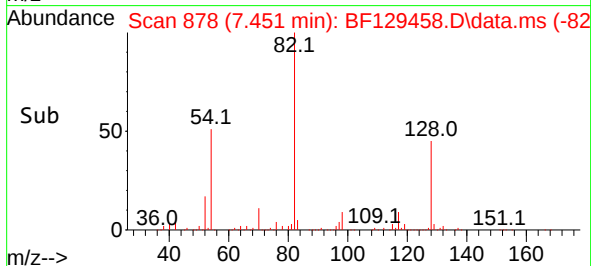
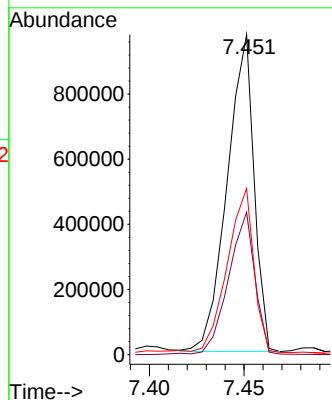
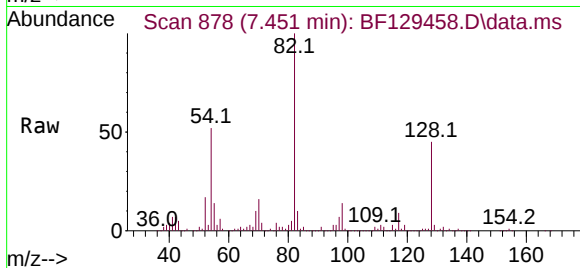
#23
Nitrobenzene-d5
Concen: 89.015 ng
RT: 7.451 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02

Instrument :
BNA_F
ClientSampleId :
MHA

Tgt Ion: 82 Resp: 959140
Ion Ratio Lower Upper
82 100
128 44.5 34.0 51.0
54 51.9 46.9 70.3

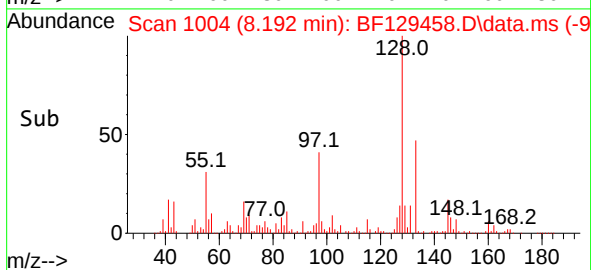
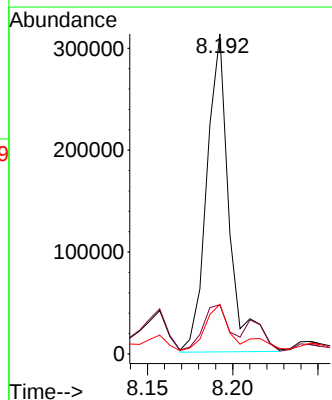
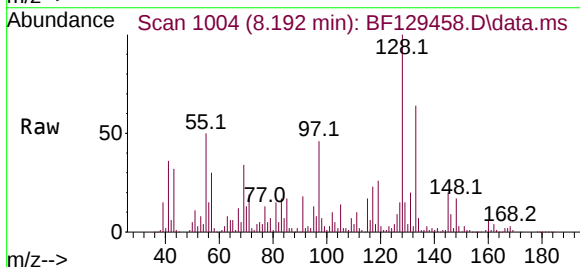
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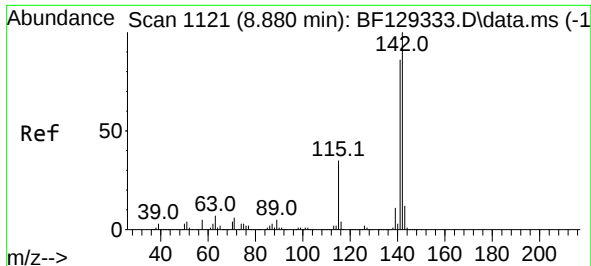
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#31
Naphthalene
Concen: 9.642 ng
RT: 8.192 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02

Tgt Ion:128 Resp: 288141
Ion Ratio Lower Upper
128 100
129 15.3 9.2 13.8#
127 15.5 10.5 15.7





#37

2-Methylnaphthalene

Concen: 56.375 ng

RT: 8.887 min Scan# 1121

Delta R.T. 0.006 min

Lab File: BF129458.D

Acq: 30 Jul 2022 00:02

Instrument :

BNA_F

ClientSampleId :

MHA

Tgt Ion:142 Resp: 1094813

Ion Ratio Lower Upper

142 100

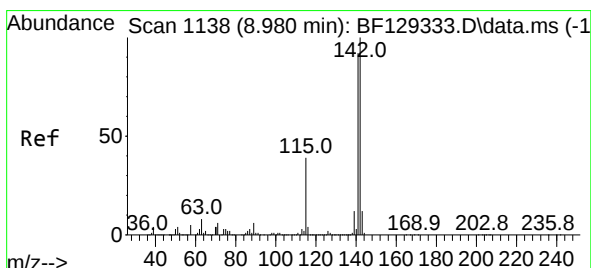
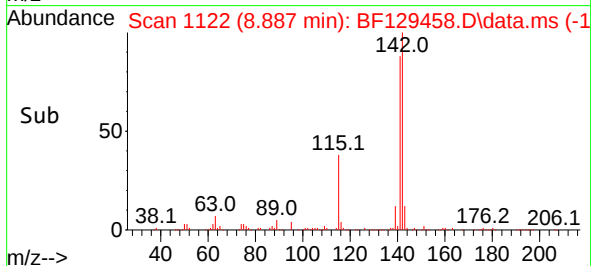
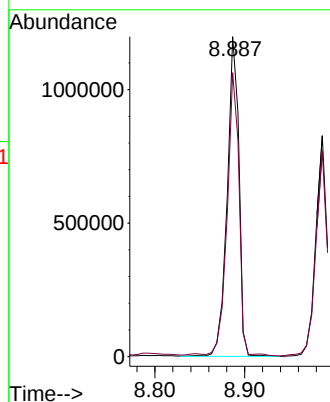
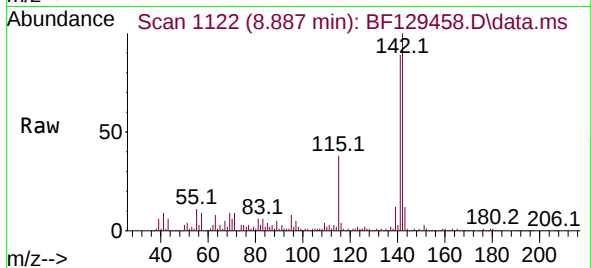
141 88.7 71.0 106.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/01/2022



#38

1-Methylnaphthalene

Concen: 38.372 ng

RT: 8.987 min Scan# 1139

Delta R.T. 0.006 min

Lab File: BF129458.D

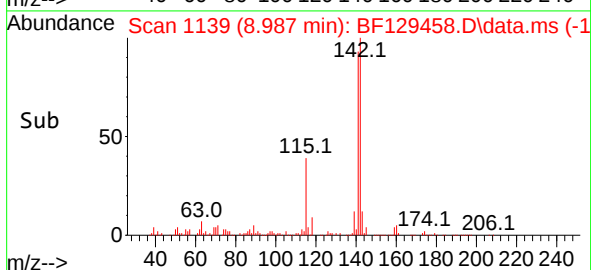
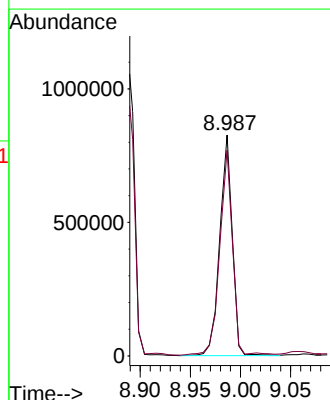
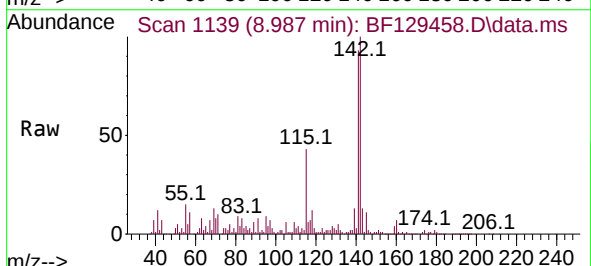
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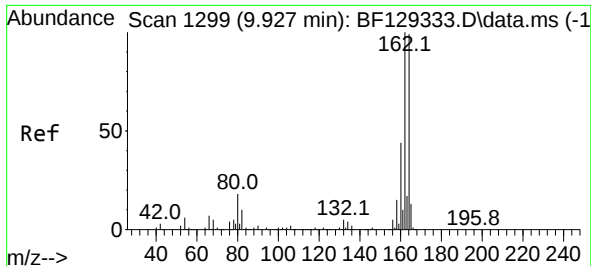
Tgt Ion:142 Resp: 719374

Ion Ratio Lower Upper

142 100

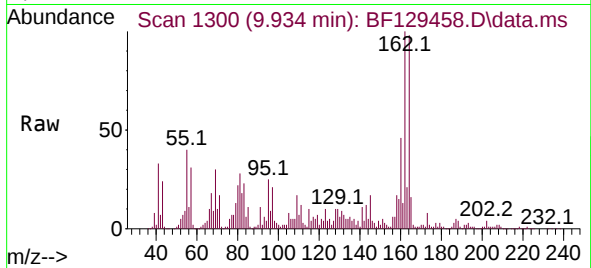
141 93.2 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1300
Delta R.T. 0.006 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02

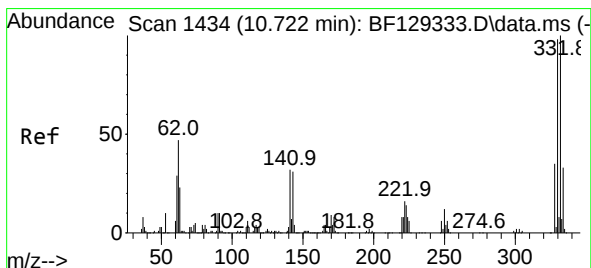
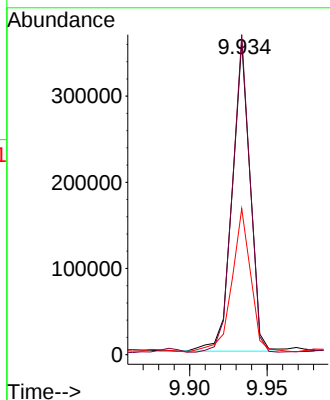
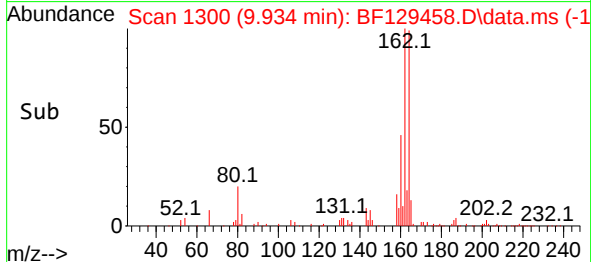
Instrument :
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ClientSampleId :
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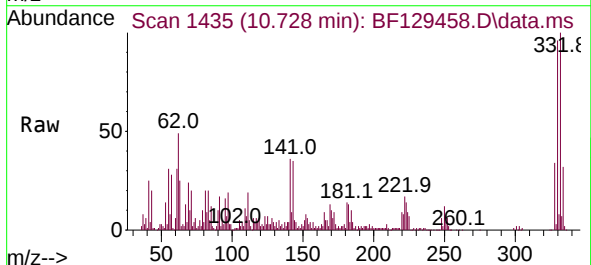
Tgt Ion:164 Resp: 290866
Ion Ratio Lower Upper
164 100
162 102.1 79.5 119.3
160 46.6 34.2 51.4

Manual Integrations
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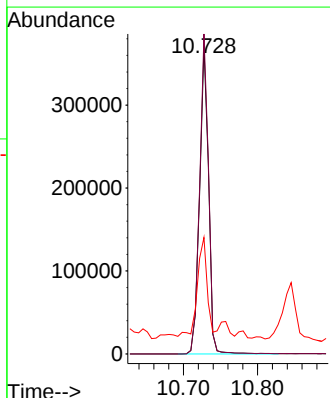
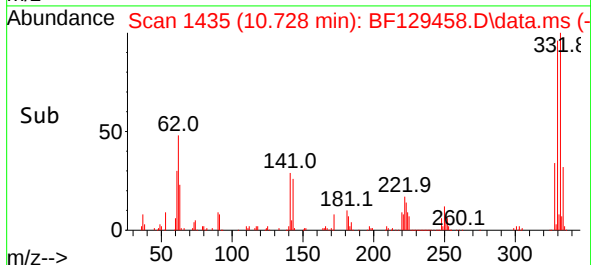
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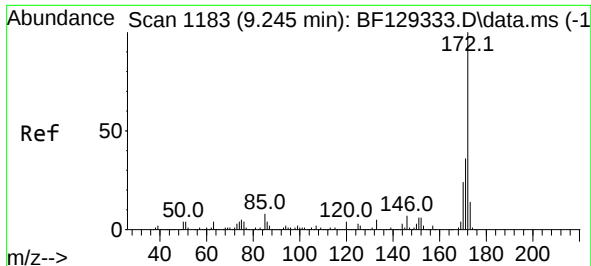


#42
2,4,6-Tribromophenol
Concen: 111.822 ng
RT: 10.728 min Scan# 1435
Delta R.T. 0.006 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02



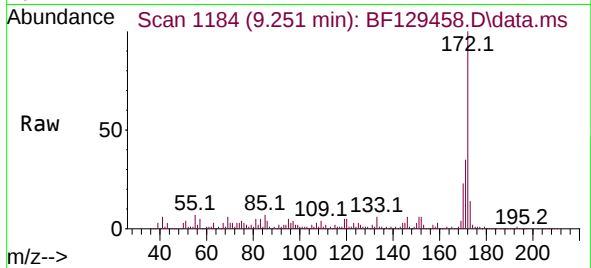
Tgt Ion:330 Resp: 312707
Ion Ratio Lower Upper
330 100
332 103.2 76.8 115.2
141 35.3 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 80.515 ng
RT: 9.251 min Scan# 1183
Delta R.T. 0.006 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02

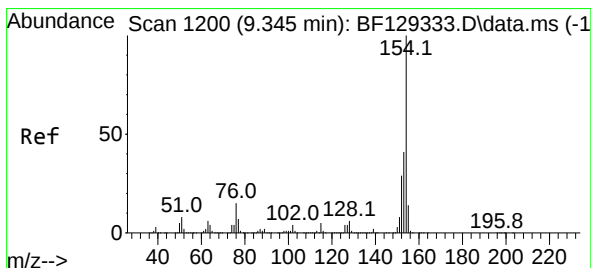
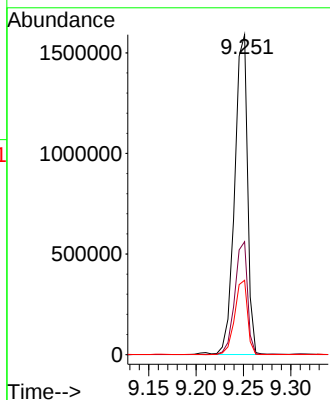
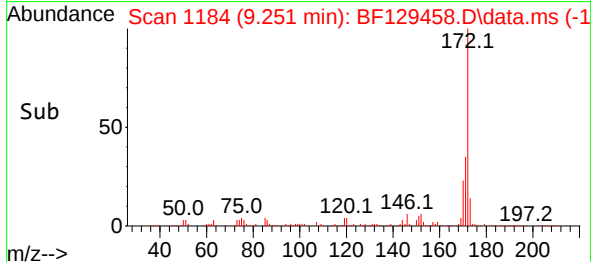
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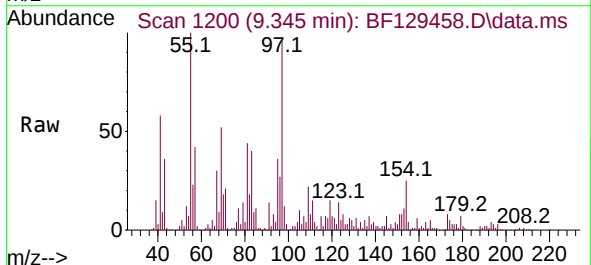
Tgt Ion:172 Resp: 1513892
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.2 19.8 29.8

Manual Integrations
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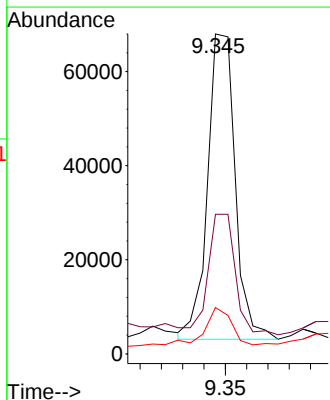
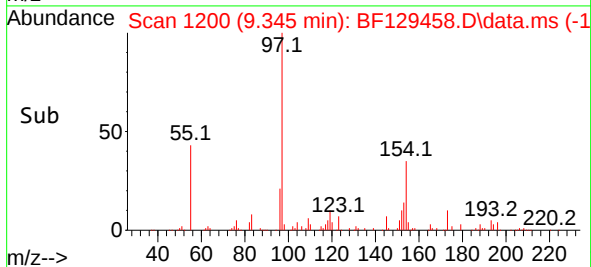
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022

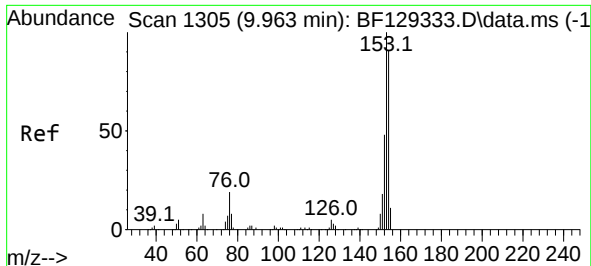


#46
1,1'-Biphenyl
Concen: 2.758 ng
RT: 9.345 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02



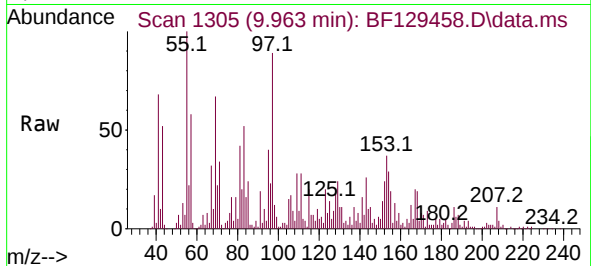
Tgt Ion:154 Resp: 58542
Ion Ratio Lower Upper
154 100
153 43.6 20.6 60.6
76 14.5 0.0 33.3





#52
Acenaphthene
Concen: 3.823 ng
RT: 9.963 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02

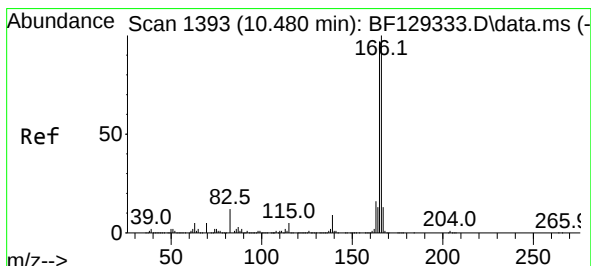
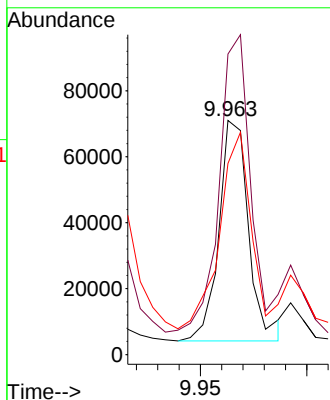
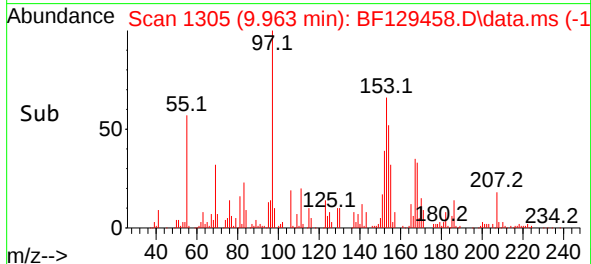
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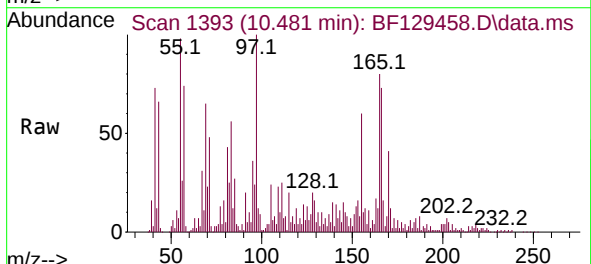
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Ion Ratio Lower Upper
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153 128.4 89.6 134.4
152 81.6 42.4 63.6

Manual Integrations
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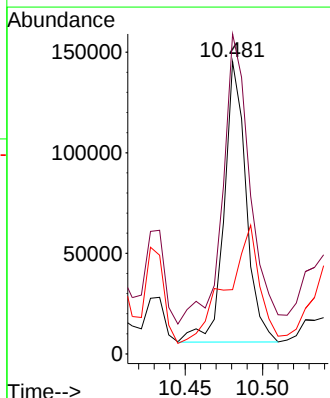
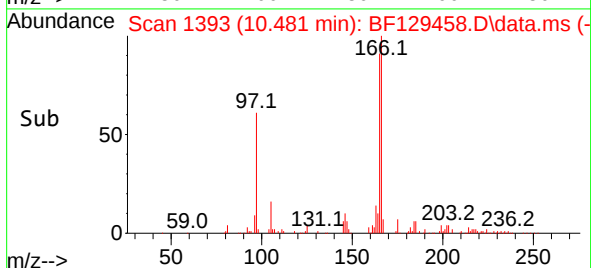
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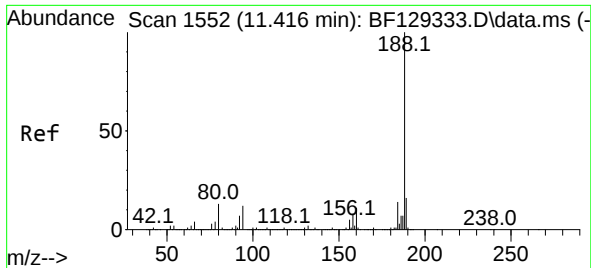


#58
Fluorene
Concen: 7.369 ng
RT: 10.481 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02



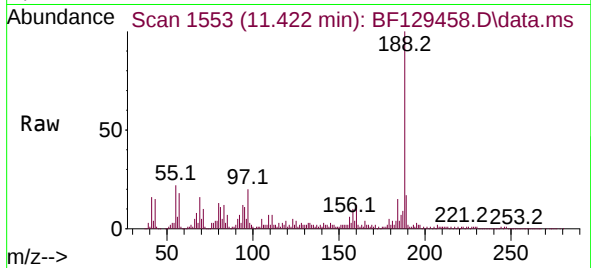
Tgt Ion:166 Resp: 138429
Ion Ratio Lower Upper
166 100
165 109.6 78.1 117.1
167 22.0 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1553
Delta R.T. 0.006 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02

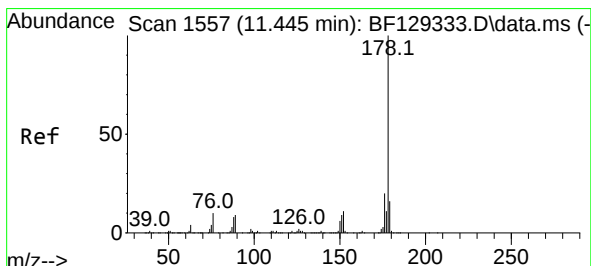
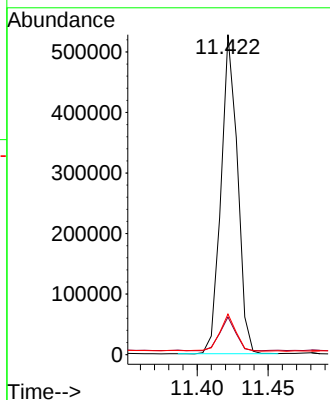
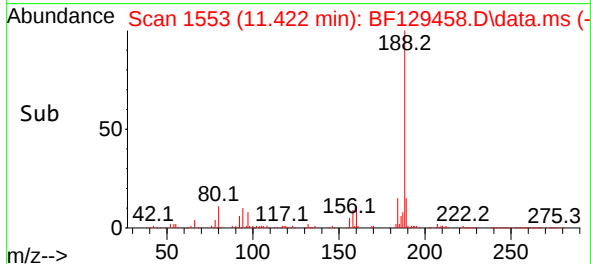
Instrument :
BNA_F
ClientSampleId :
MHA



Tgt Ion:188 Resp: 426122
Ion Ratio Lower Upper
188 100
94 11.7 7.0 10.6
80 12.7 7.6 11.4

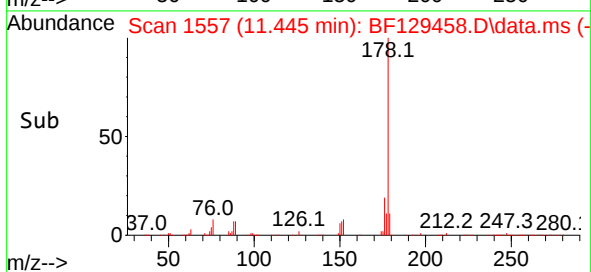
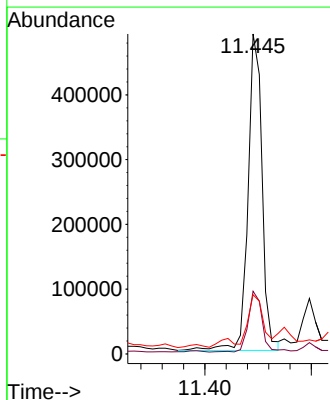
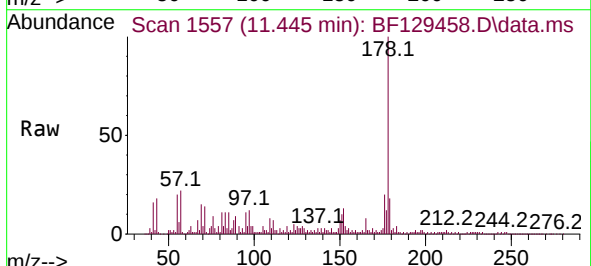
Manual Integrations
APPROVED

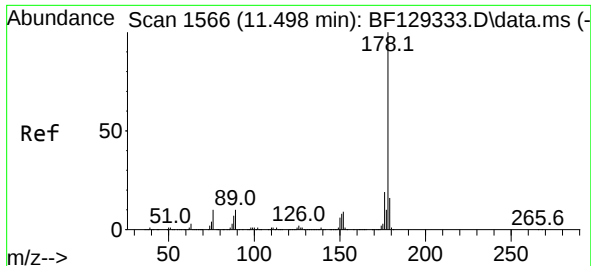
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#71
Phenanthrene
Concen: 19.277 ng
RT: 11.445 min Scan# 1557
Delta R.T. 0.000 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02

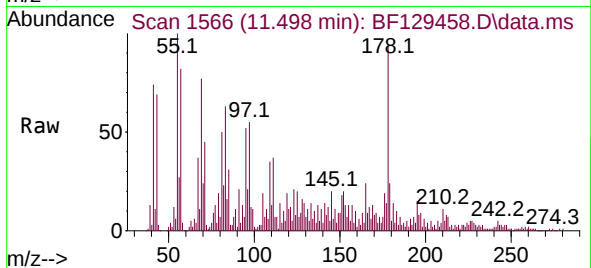
Tgt Ion:178 Resp: 448405
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 18.5 12.6 19.0





#72
 Anthracene
 Concen: 2.281 ng m
 RT: 11.498 min Scan# 1566
 Delta R.T. 0.000 min
 Lab File: BF129458.D
 Acq: 30 Jul 2022 00:02

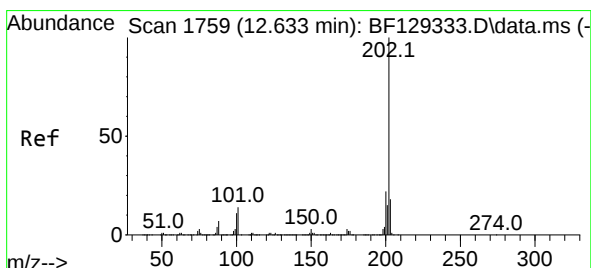
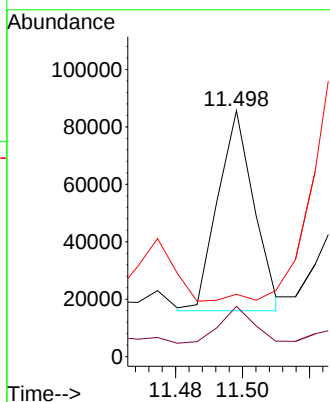
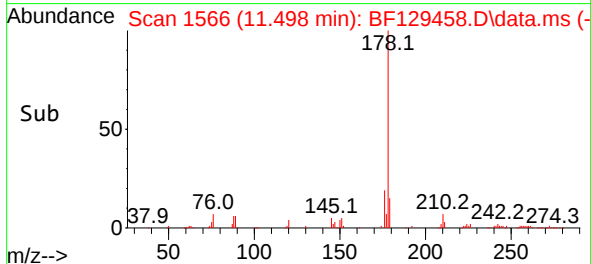
Instrument :
 BNA_F
 ClientSampleId :
 MHA



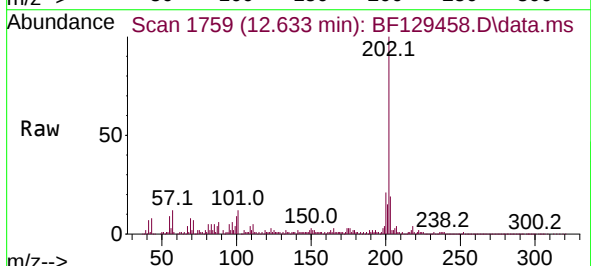
Tgt Ion:178 Resp: 5215
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.4 23.2
 179 25.3 12.6 19.0

Manual Integrations
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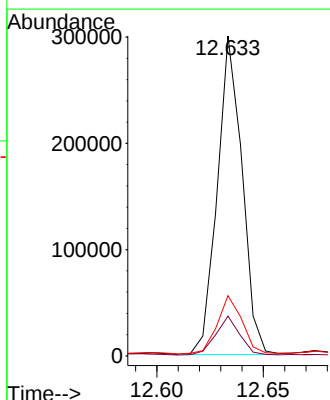
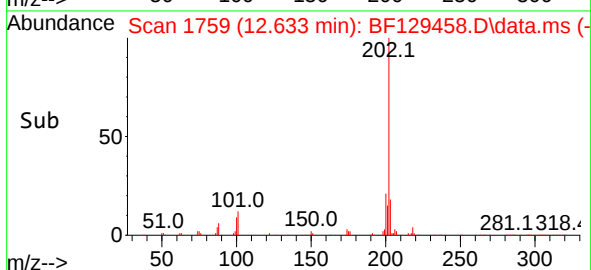
Reviewed By :Christian Giraldo 08/01/2022
 Supervised By :Jagrut Upadhyay 08/01/2022

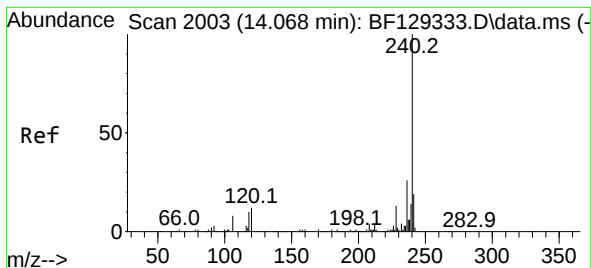


#75
 Fluoranthene
 Concen: 10.319 ng
 RT: 12.633 min Scan# 1759
 Delta R.T. 0.000 min
 Lab File: BF129458.D
 Acq: 30 Jul 2022 00:02



Tgt Ion:202 Resp: 243194
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 31.4
 203 18.8 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2003

Delta R.T. -0.006 min

Lab File: BF129458.D

Acq: 30 Jul 2022 00:02

Instrument :

BNA_F

ClientSampleId :

MHA

Tgt Ion:240 Resp: 312400

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

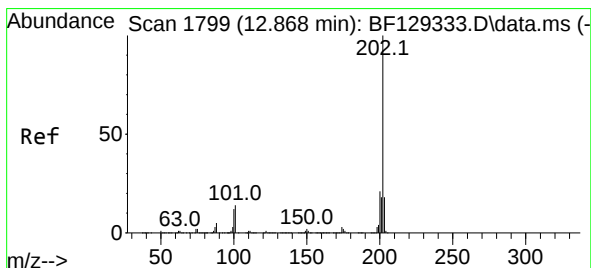
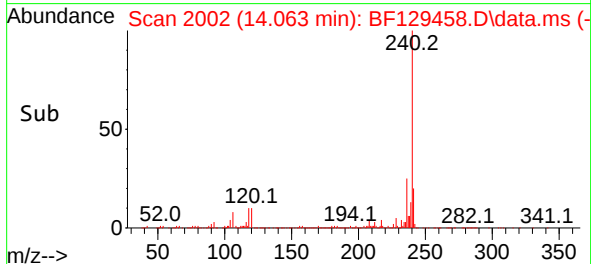
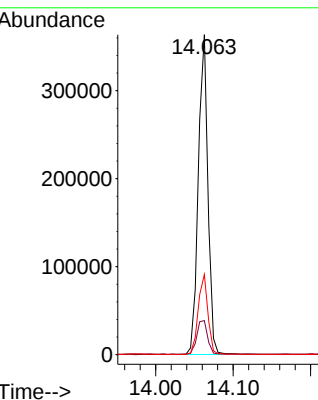
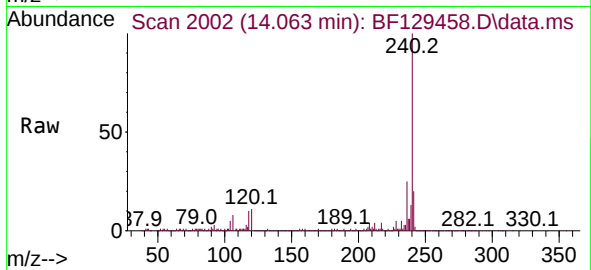
236 25.0 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/01/2022

Supervised By :Jagrut Upadhyay 08/01/2022



#78

Pyrene

Concen: 8.660 ng

RT: 12.863 min Scan# 1798

Delta R.T. -0.006 min

Lab File: BF129458.D

Acq: 30 Jul 2022 00:02

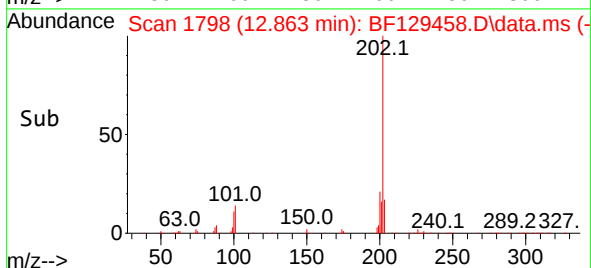
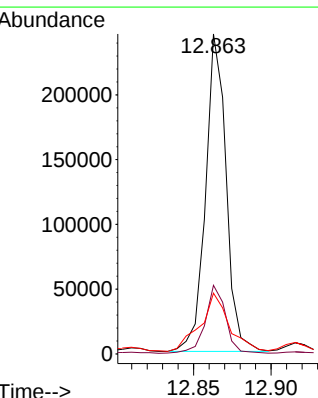
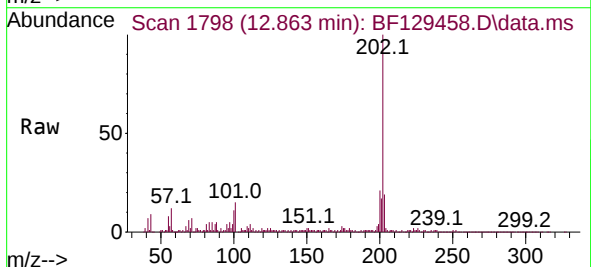
Tgt Ion:202 Resp: 226242

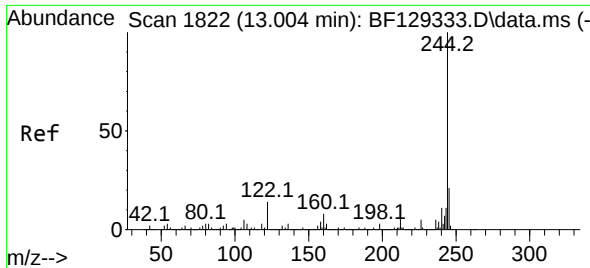
Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

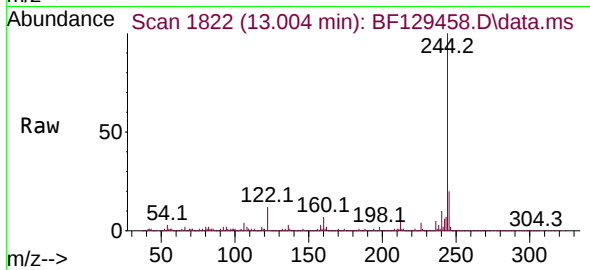
203 19.0 14.6 21.8





#79
 Terphenyl-d14
 Concen: 71.601 ng
 RT: 13.004 min Scan# 1822
 Delta R.T. 0.000 min
 Lab File: BF129458.D
 Acq: 30 Jul 2022 00:02

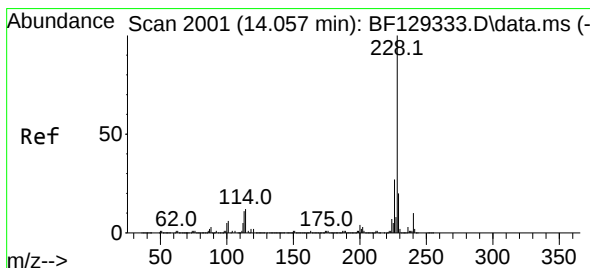
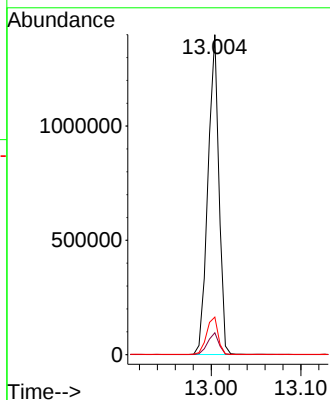
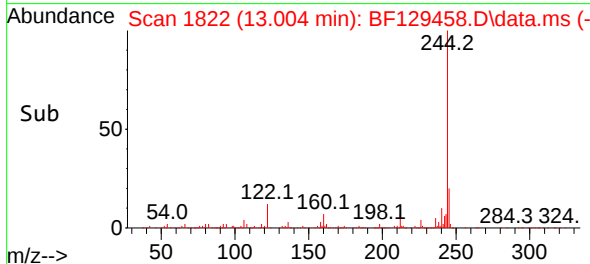
Instrument :
 BNA_F
 ClientSampleId :
 MHA



Tgt Ion:244 Resp: 1185649
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 11.7 8.8 13.2

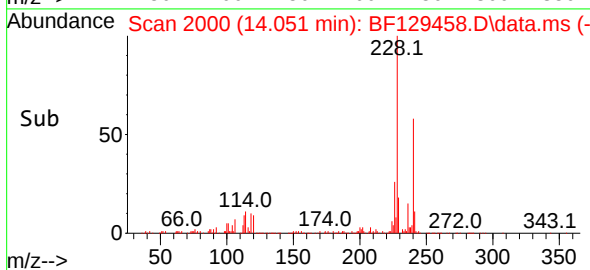
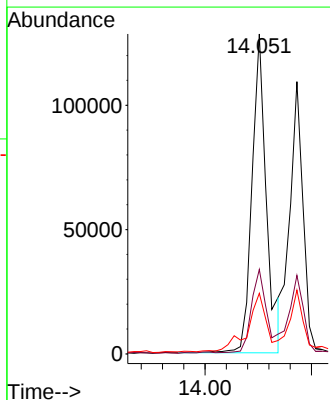
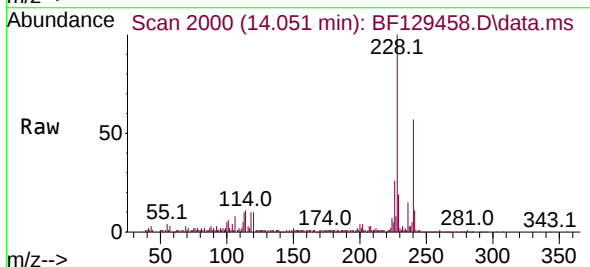
Manual Integrations
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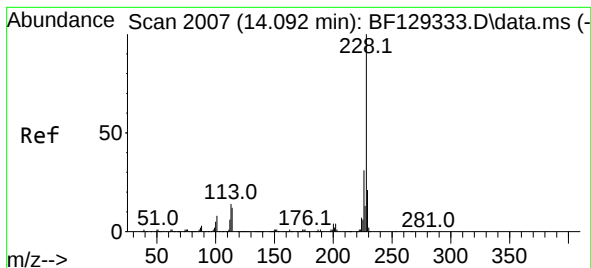
Reviewed By :Christian Giraldo 08/01/2022
 Supervised By :Jagrut Upadhyay 08/01/2022



#81
 Benzo(a)anthracene
 Concen: 5.641 ng
 RT: 14.051 min Scan# 2000
 Delta R.T. -0.006 min
 Lab File: BF129458.D
 Acq: 30 Jul 2022 00:02

Tgt Ion:228 Resp: 120384
 Ion Ratio Lower Upper
 228 100
 226 26.4 22.1 33.1
 229 18.9 15.8 23.8





#83

Chrysene

Concen: 4.757 ng

RT: 14.086 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF129458.D

Acq: 30 Jul 2022 00:02

Instrument :

BNA_F

ClientSampleId :

MHA

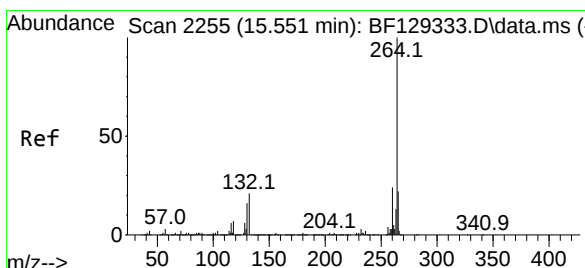
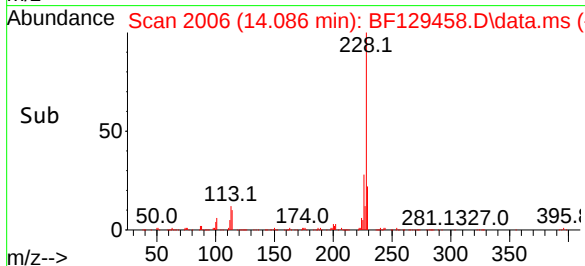
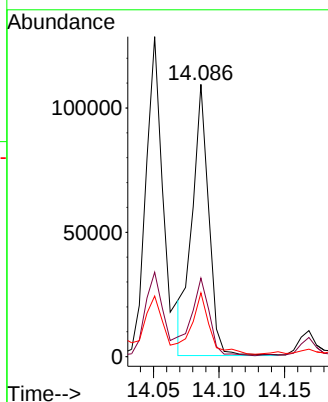
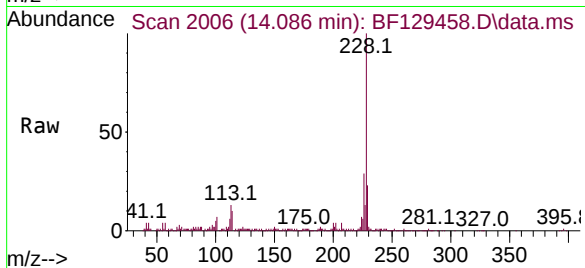
Tgt Ion:	228	Resp:	95664
Ion Ratio	Lower	Upper	
228	100		
226	28.8	24.3	36.5
229	23.4	15.9	23.9

Manual Integrations

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Reviewed By :Christian Giraldo 08/01/2022

Supervised By :Jagrut Upadhyay 08/01/2022



#86

Perylene-d12

Concen: 20.000 ng

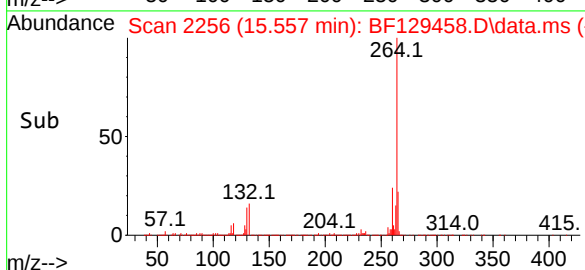
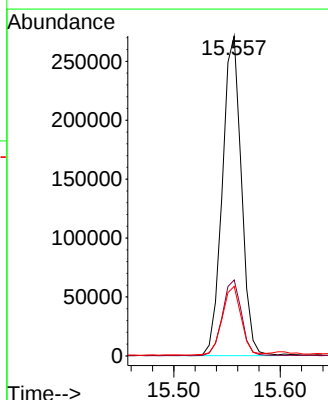
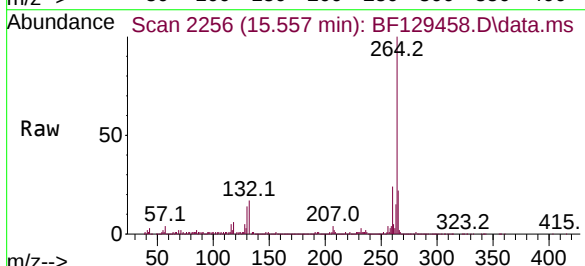
RT: 15.557 min Scan# 2256

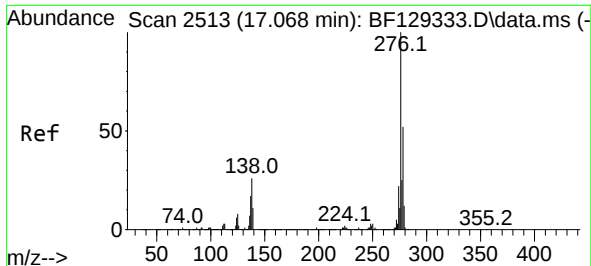
Delta R.T. 0.006 min

Lab File: BF129458.D

Acq: 30 Jul 2022 00:02

Tgt Ion:	264	Resp:	337019
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.4	27.6
265	21.7	17.2	25.8





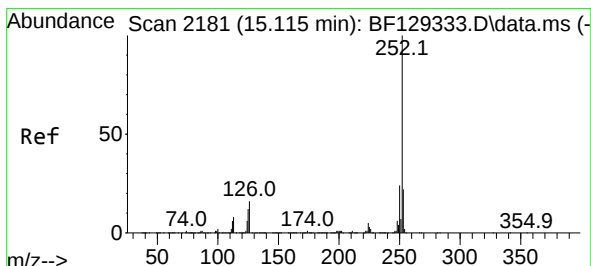
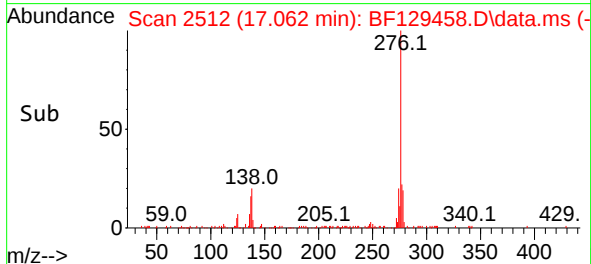
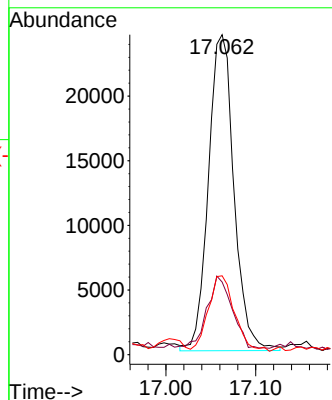
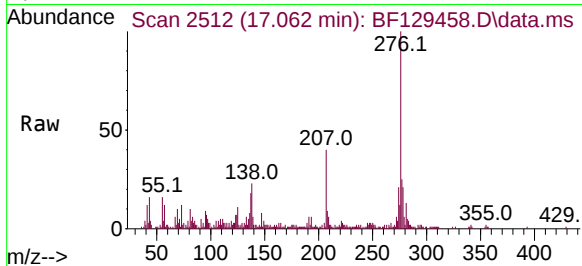
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.143 ng
RT: 17.062 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02

Instrument :
BNA_F
ClientSampleId :
MHA

Tgt Ion:276 Resp: 48645
Ion Ratio Lower Upper
276 100
138 22.0 21.1 31.7
277 24.4 20.3 30.5

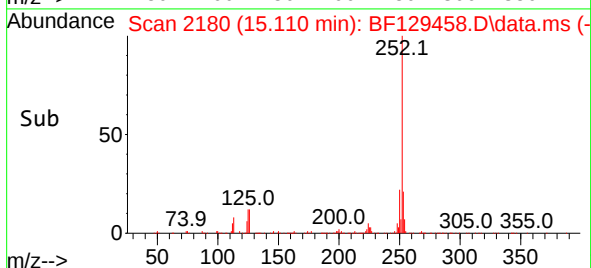
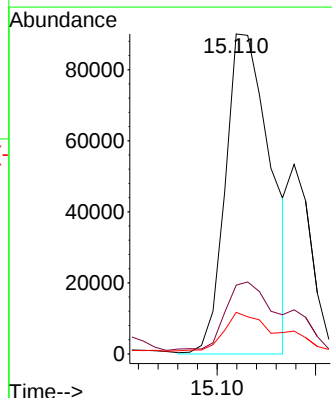
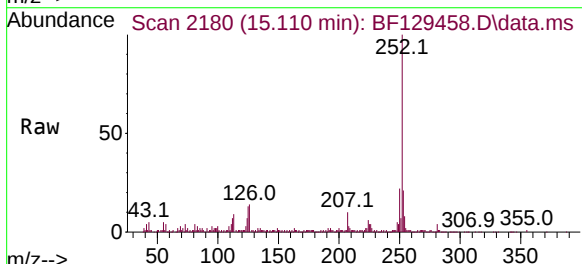
Manual Integrations
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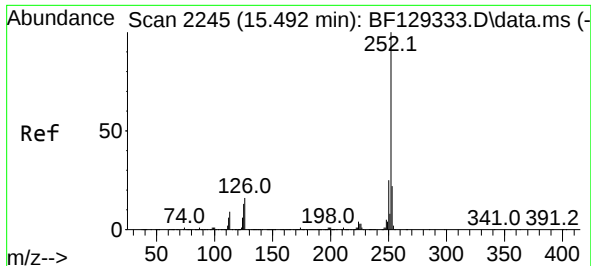
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#88
Benzo(b)fluoranthene
Concen: 6.462 ng m
RT: 15.110 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BF129458.D
Acq: 30 Jul 2022 00:02

Tgt Ion:252 Resp: 144451
Ion Ratio Lower Upper
252 100
253 21.5 17.7 26.5
125 13.0 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 5.431 ng

RT: 15.486 min Scan# 2244

Delta R.T. -0.006 min

Lab File: BF129458.D

Acq: 30 Jul 2022 00:02

Instrument :

BNA_F

ClientSampleId :

MHA

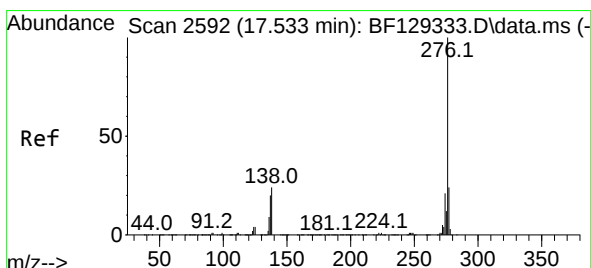
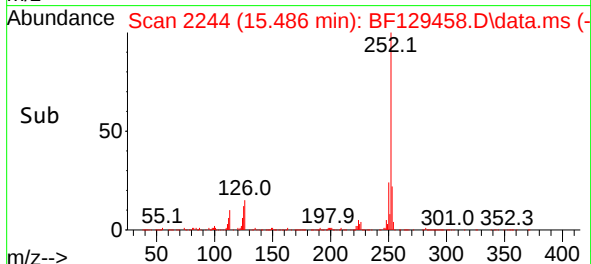
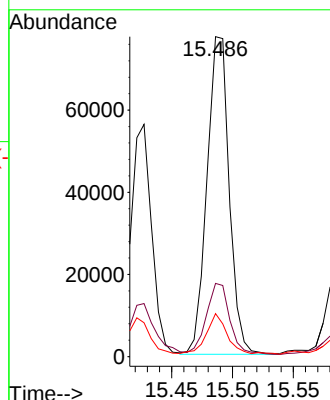
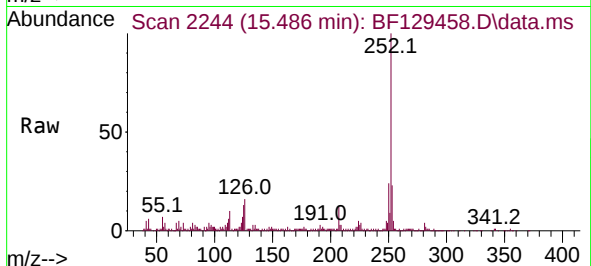
Tgt Ion:	252	Resp:	98566
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	13.4	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/01/2022

Supervised By :Jagrut Upadhyay 08/01/2022



#92

Benzo(g,h,i)perylene

Concen: 2.269 ng

RT: 17.521 min Scan# 2590

Delta R.T. -0.012 min

Lab File: BF129458.D

Acq: 30 Jul 2022 00:02

Tgt Ion:	276	Resp:	42830
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.1	28.7
138	23.9	18.0	27.0

