

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
 Data File : BF129429.D
 Acq On : 29 Jul 2022 02:21
 Operator : CG\JU
 Sample : N3925-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-072722-B

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/29/2022
 Supervised By : Jagrut Upadhyay 07/29/2022

Quant Time: Jul 29 03:34:44 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	6.886	152	162197	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	554945	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	245686	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	400603	20.000	ng	# 0.00
76) Chrysene-d12	14.068	240	303190	20.000	ng	0.00
86) Perylene-d12	15.568	264	230718	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1128127	113.302	ng	0.02
7) Phenol-d6	6.528	99	1337893	106.902	ng	0.01
23) Nitrobenzene-d5	7.451	82	806345	79.318	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	269189	113.962	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1308596	82.395	ng	0.00
79) Terphenyl-d14	13.010	244	1370446	85.275	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.192	128	1880355	66.692	ng	100
37) 2-Methylnaphthalene	8.880	142	192203	10.490	ng	99
38) 1-Methylnaphthalene	8.980	142	88039	4.977	ng	98
49) Acenaphthylene	9.786	152	48931	2.222	ng	99
71) Phenanthrene	11.439	178	180356	8.248	ng	98
72) Anthracene	11.492	178	82562	3.842	ng	98
75) Fluoranthene	12.633	202	367267	16.576	ng	98
78) Pyrene	12.868	202	455658	17.972	ng	98
81) Benzo(a)anthracene	14.057	228	215432	10.402	ng	96
83) Chrysene	14.092	228	189168	9.691	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	96415	6.206	ng	96
88) Benzo(b)fluoranthene	15.121	252	194738m	12.724	ng	
89) Benzo(k)fluoranthene	15.151	252	75868m	5.059	ng	
90) Benzo(a)pyrene	15.504	252	140680	11.324	ng	# 89
92) Benzo(g,h,i)perylene	17.545	276	98201	7.600	ng	94

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

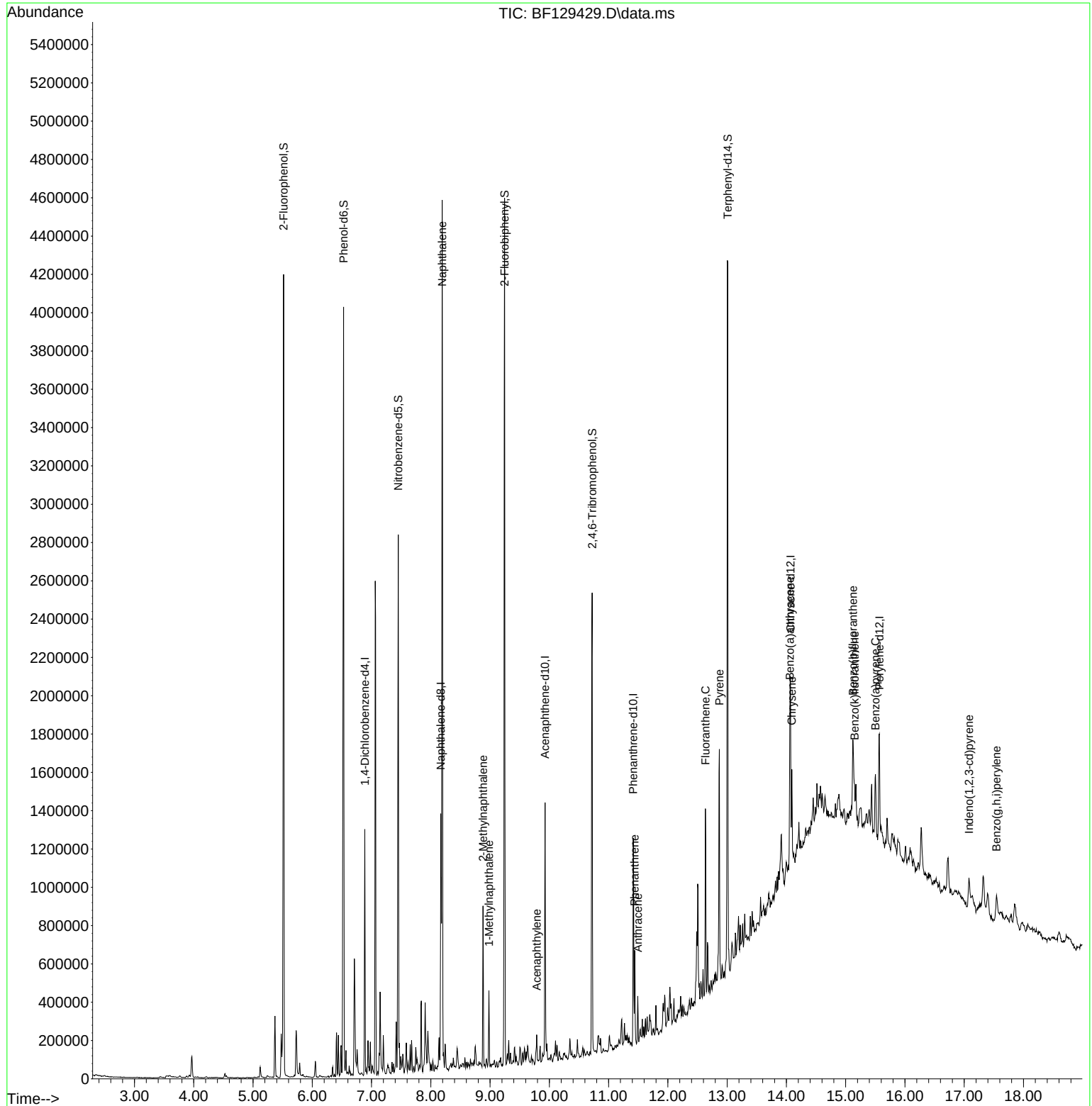
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
Data File : BF129429.D
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ALS Vial : 21 Sample Multiplier: 1

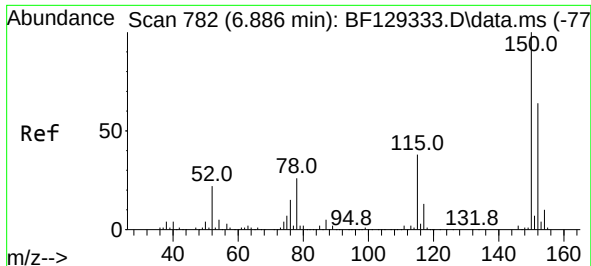
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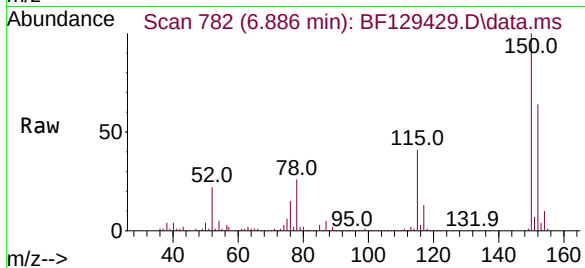
Quant Time: Jul 29 03:34:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 25 17:24:17 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 782
Delta R.T. 0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

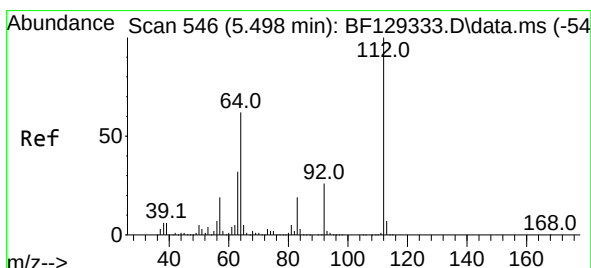
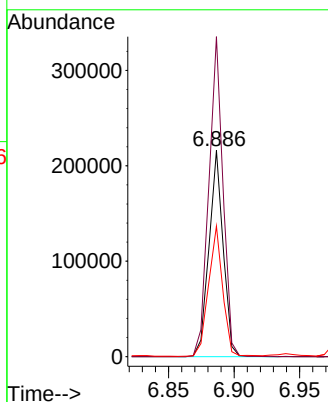
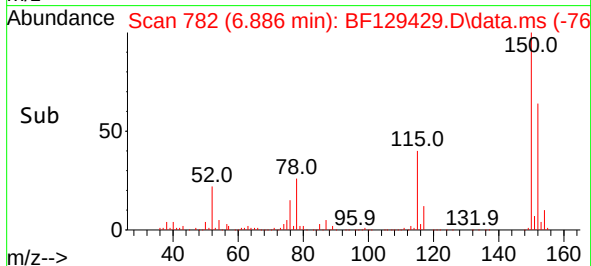
Instrument :
BNA_F
ClientSampleId :
JC-03-072722-B



Tgt Ion:152 Resp: 162197
Ion Ratio Lower Upper
152 100
150 155.2 123.7 185.5
115 63.3 49.9 74.9

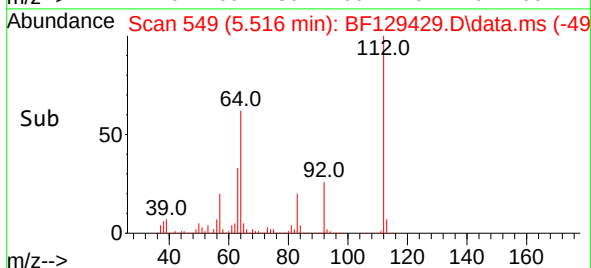
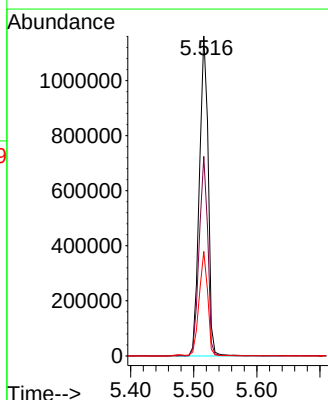
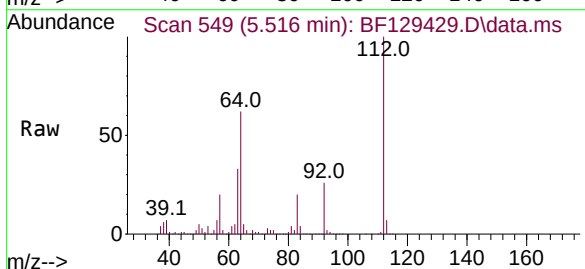
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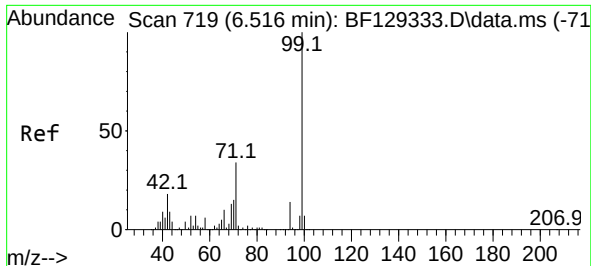
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#5
2-Fluorophenol
Concen: 113.302 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.018 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

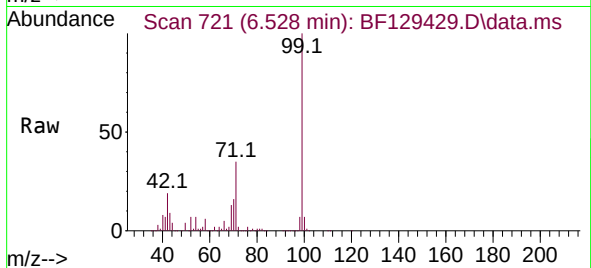
Tgt Ion:112 Resp: 1128127
Ion Ratio Lower Upper
112 100
64 62.3 53.3 79.9
63 32.6 28.0 42.0





#7
Phenol-d6
Concen: 106.902 ng
RT: 6.528 min Scan# 719
Delta R.T. 0.012 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

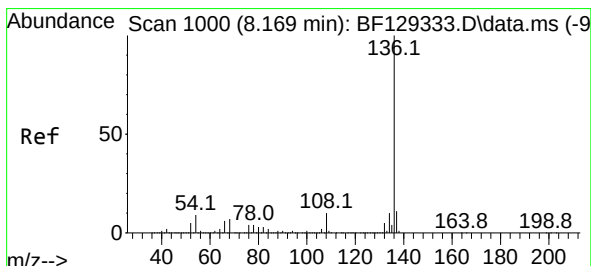
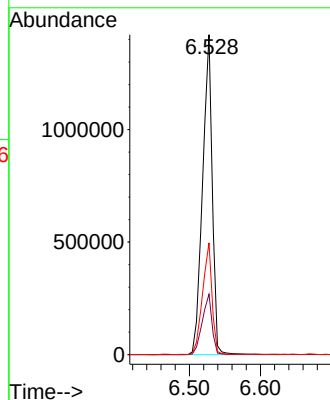
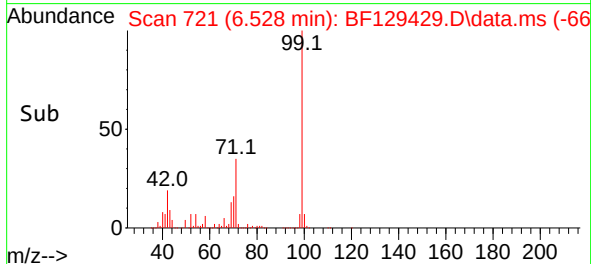
Instrument :
BNA_F
ClientSampleId :
JC-03-072722-B



Tgt Ion: 99 Resp: 1337893
Ion Ratio Lower Upper
99 100
42 18.9 17.3 25.9
71 34.9 28.9 43.3

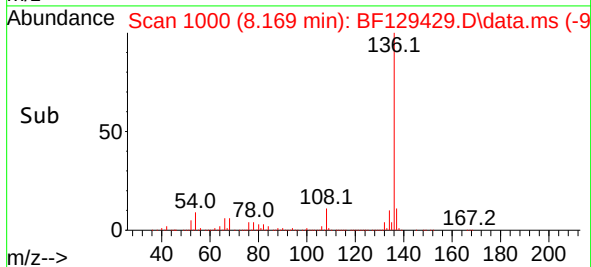
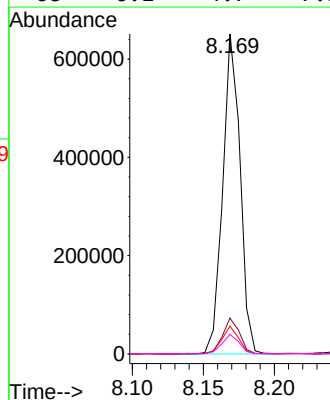
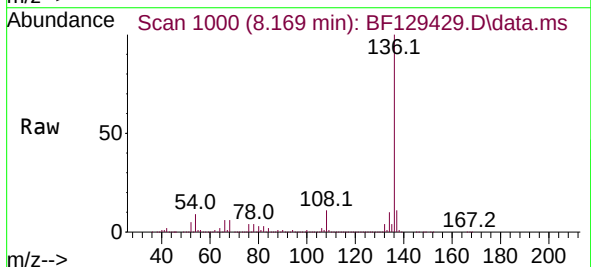
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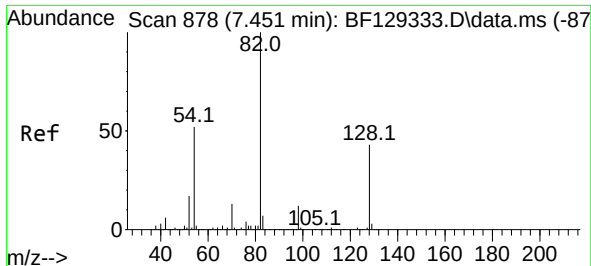
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

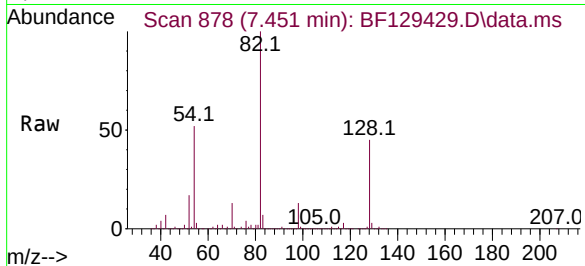
Tgt Ion:136 Resp: 554945
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.7 7.5 11.3
68 6.1 4.7 7.1





#23
Nitrobenzene-d5
Concen: 79.318 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

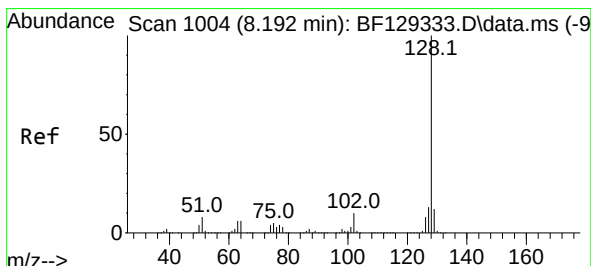
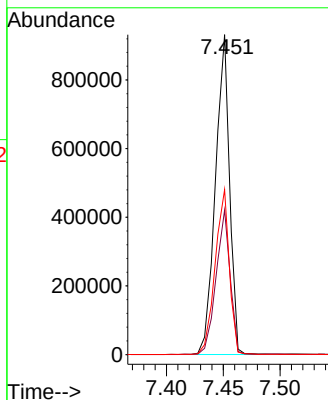
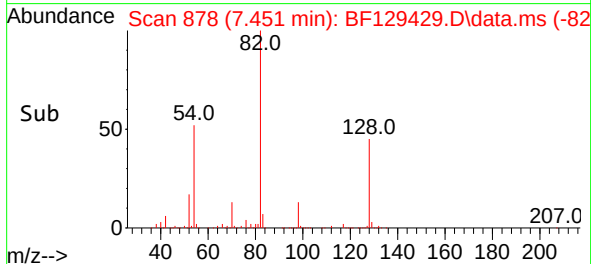
Instrument :
BNA_F
ClientSampleId :
JC-03-072722-B



Tgt Ion: 82 Resp: 806345
Ion Ratio Lower Upper
82 100
128 45.2 34.0 51.0
54 51.6 46.9 70.3

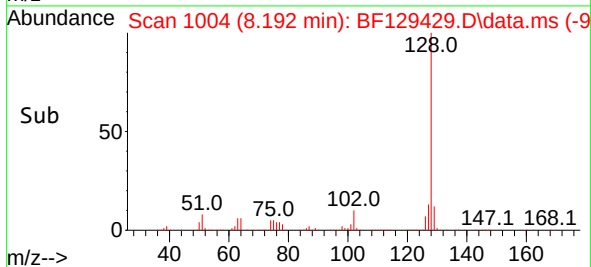
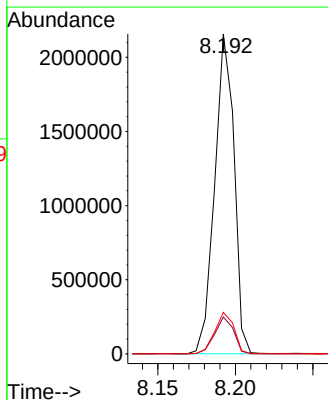
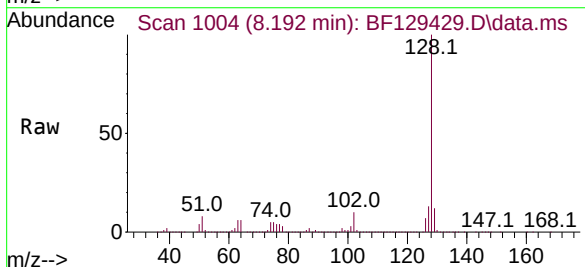
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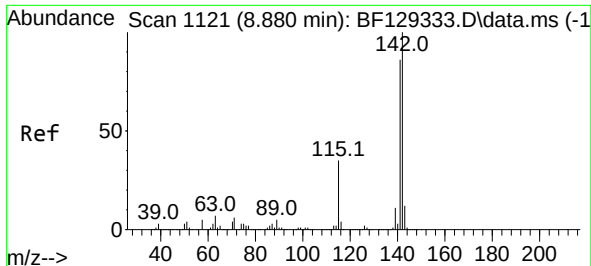
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#31
Naphthalene
Concen: 66.692 ng
RT: 8.192 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Tgt Ion:128 Resp: 1880355
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.0 10.5 15.7





#37

2-Methylnaphthalene

Concen: 10.490 ng

RT: 8.880 min Scan# 1121

Delta R.T. -0.000 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

JC-03-072722-B

Tgt Ion:142 Resp: 192203

Ion Ratio Lower Upper

142 100

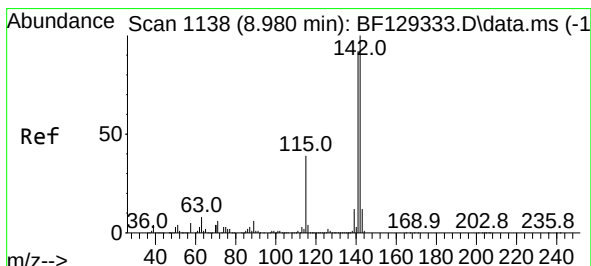
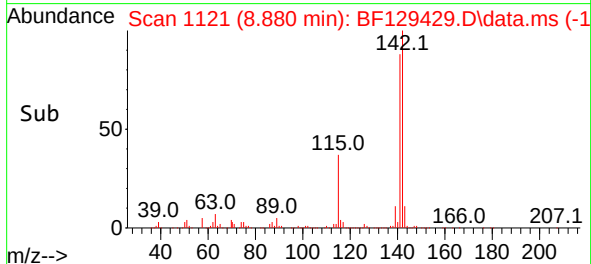
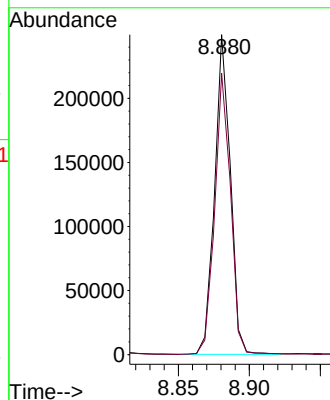
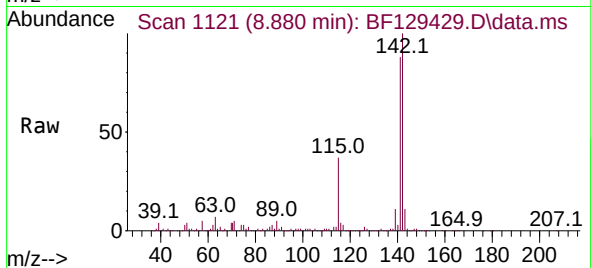
141 87.9 71.0 106.4

Manual Integrations

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Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#38

1-Methylnaphthalene

Concen: 4.977 ng

RT: 8.980 min Scan# 1138

Delta R.T. -0.000 min

Lab File: BF129429.D

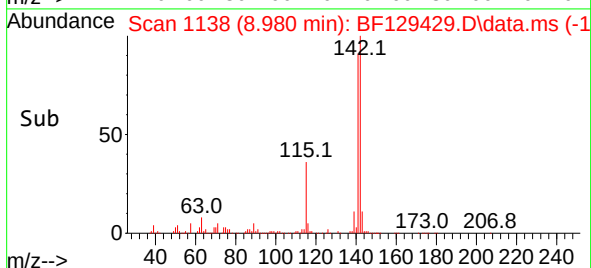
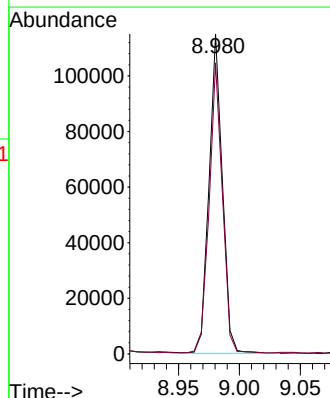
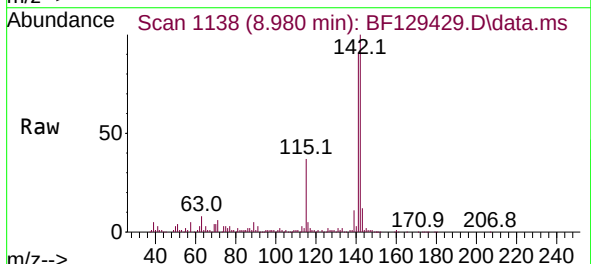
Acq: 29 Jul 2022 02:21

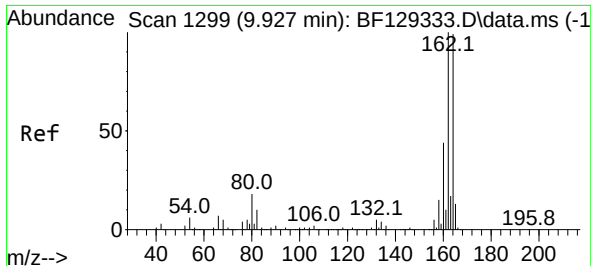
Tgt Ion:142 Resp: 88039

Ion Ratio Lower Upper

142 100

141 90.9 74.2 111.4





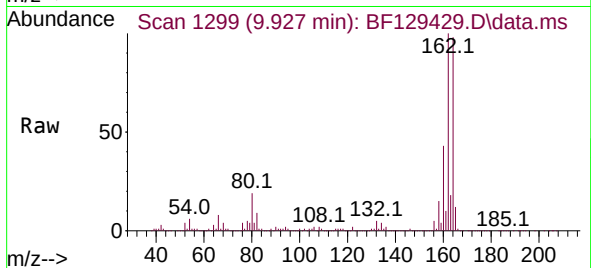
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1299
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

JC-03-072722-B

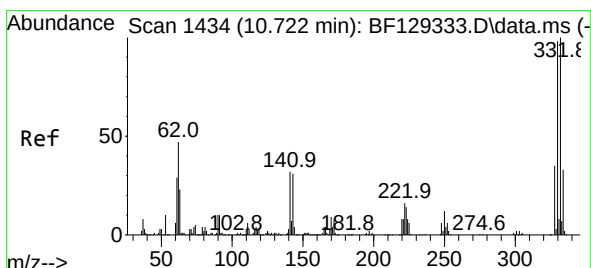
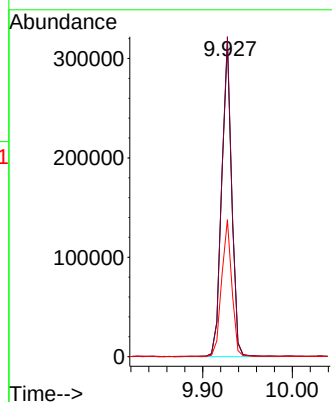
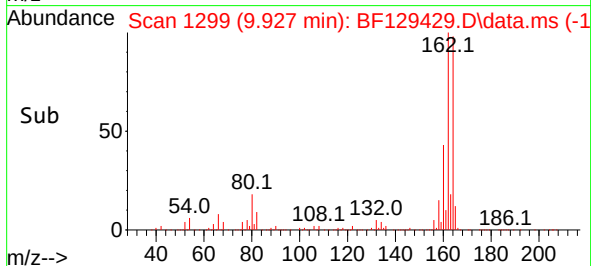


Tgt Ion:164 Resp: 245686
Ion Ratio Lower Upper
164 100
162 101.9 79.5 119.3
160 43.6 34.2 51.4

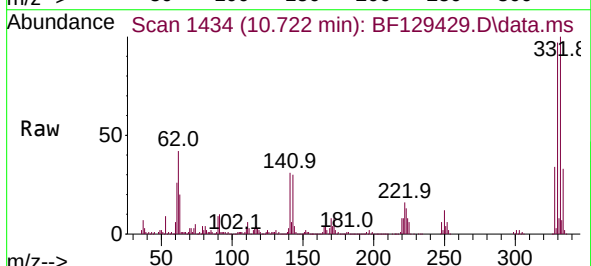
Manual Integrations

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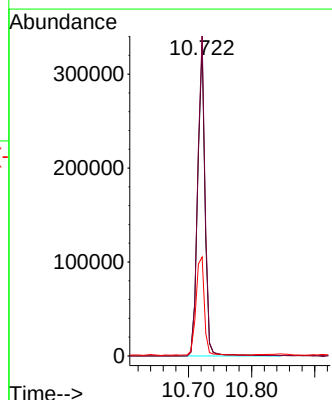
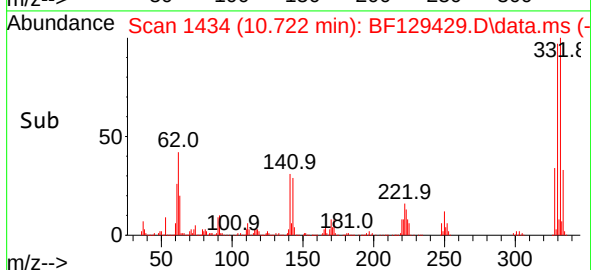
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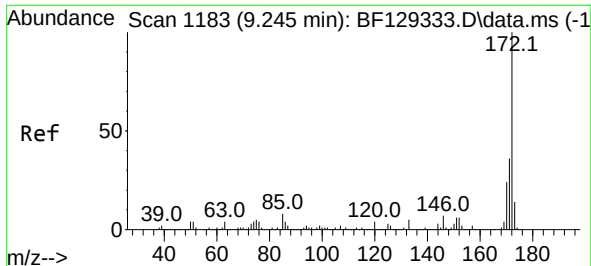


#42
2,4,6-Tribromophenol
Concen: 113.962 ng
RT: 10.722 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21



Tgt Ion:330 Resp: 269189
Ion Ratio Lower Upper
330 100
332 103.0 76.8 115.2
141 35.9 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 82.395 ng

RT: 9.245 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BF129429.D

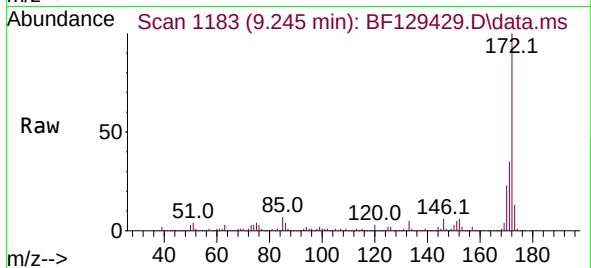
Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

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JC-03-072722-B



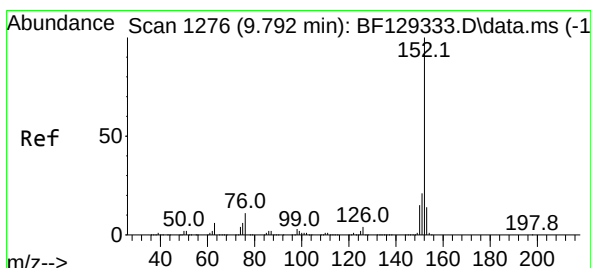
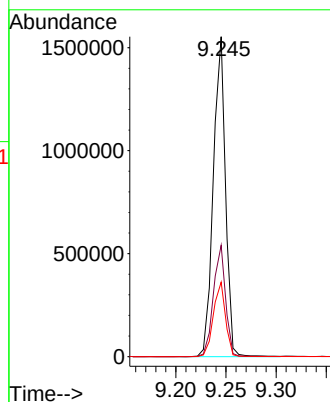
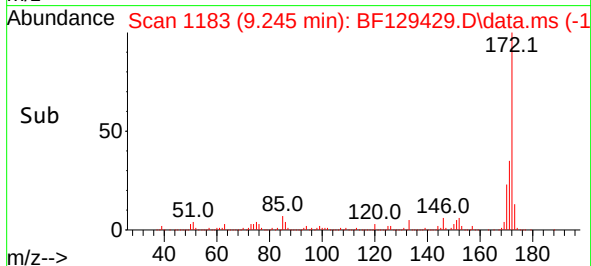
Tgt Ion:172 Resp: 1308596

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.8	43.2
170	23.3	19.8	29.8

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#49

Acenaphthylene

Concen: 2.222 ng

RT: 9.786 min Scan# 1275

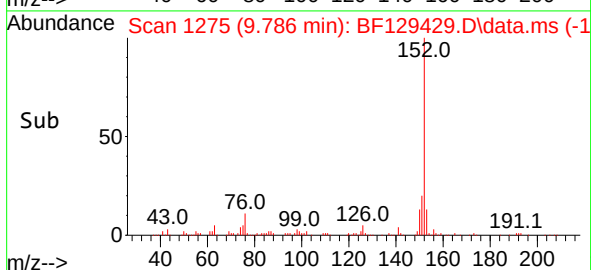
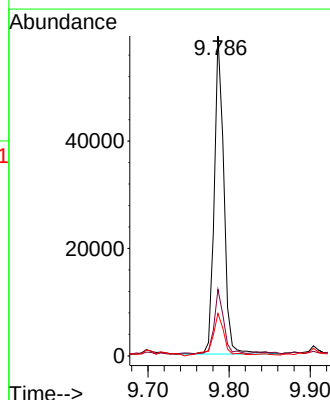
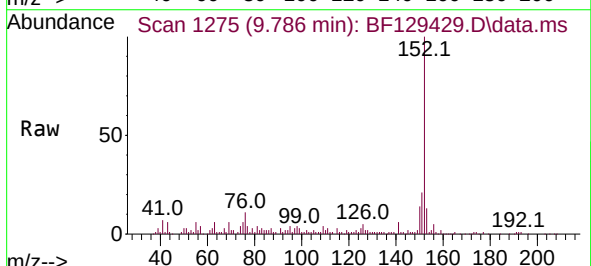
Delta R.T. -0.006 min

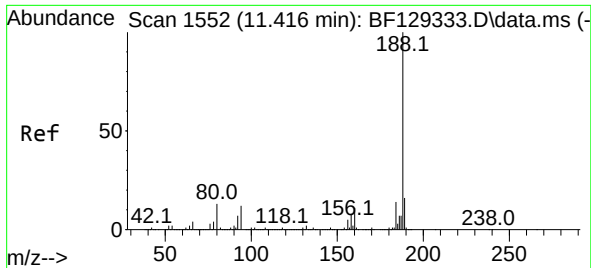
Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

Tgt Ion:152 Resp: 48931

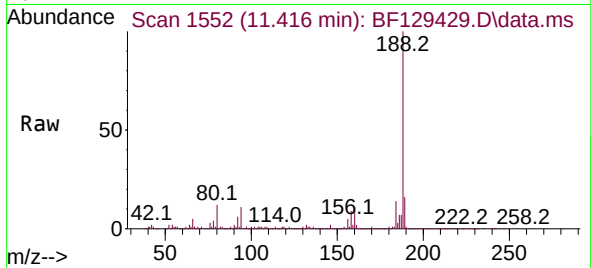
Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.4
153	13.3	10.7	16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1552
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

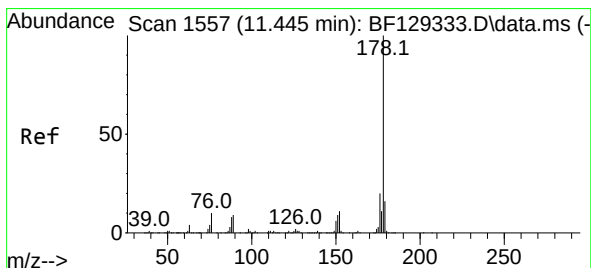
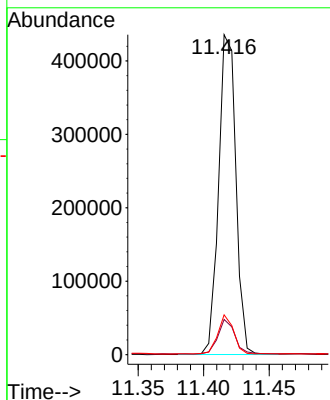
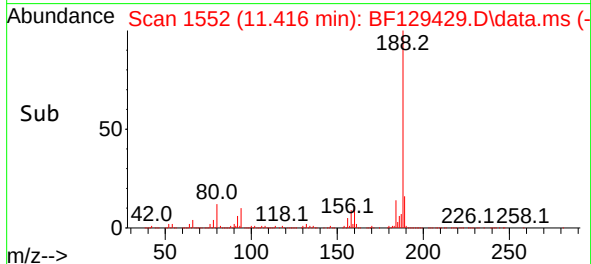
Instrument :
BNA_F
ClientSampleId :
JC-03-072722-B



Tgt Ion:188 Resp: 400603
Ion Ratio Lower Upper
188 100
94 11.0 7.0 10.6
80 12.4 7.6 11.4

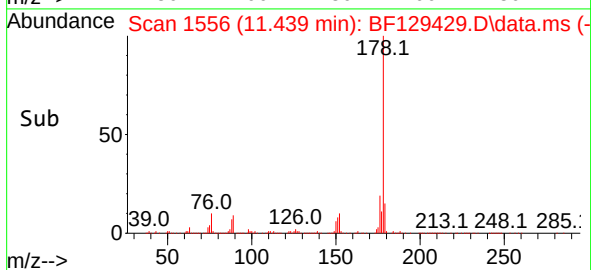
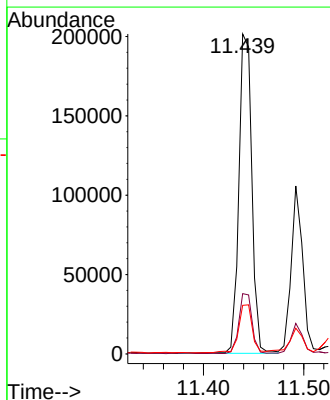
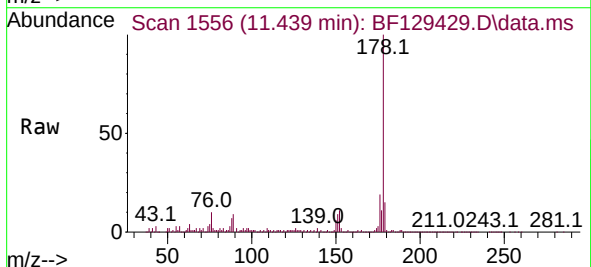
Manual Integrations
APPROVED

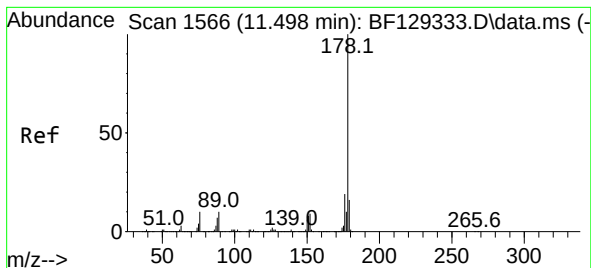
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#71
Phenanthrene
Concen: 8.248 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Tgt Ion:178 Resp: 180356
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 15.2 12.6 19.0





#72

Anthracene

Concen: 3.842 ng

RT: 11.492 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

JC-03-072722-B

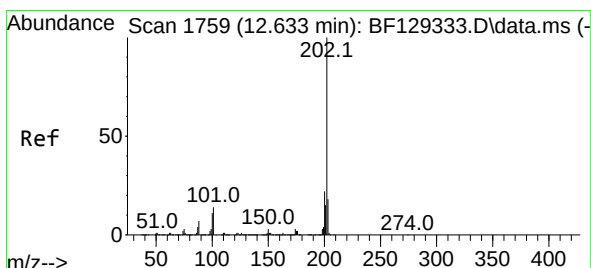
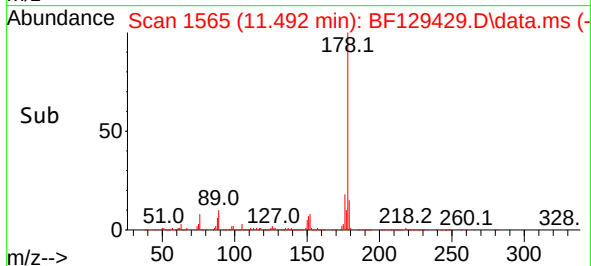
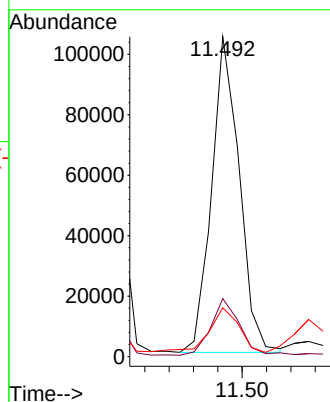
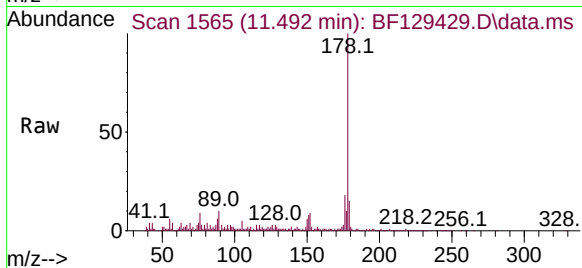
Tgt Ion:	178	Resp:	82562
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.4	23.2
179	15.3	12.6	19.0

Manual Integrations

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Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#75

Fluoranthene

Concen: 16.576 ng

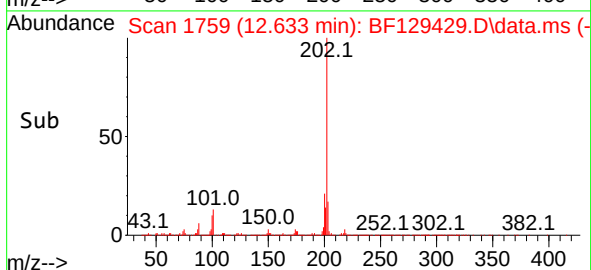
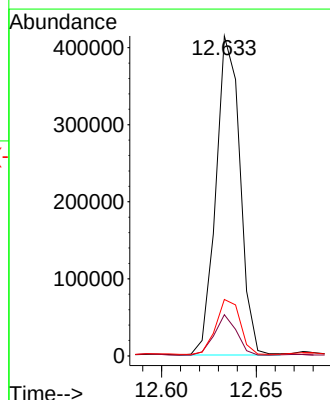
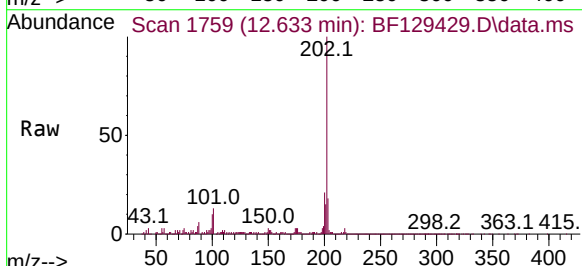
RT: 12.633 min Scan# 1759

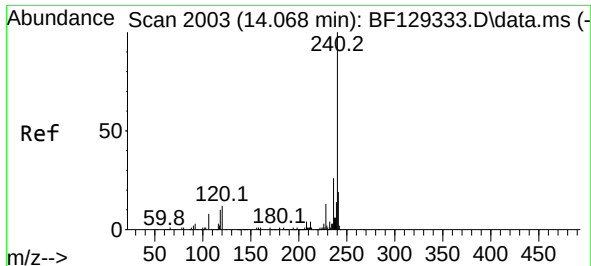
Delta R.T. -0.000 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

Tgt Ion:	202	Resp:	367267
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	31.4
203	17.6	0.0	38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

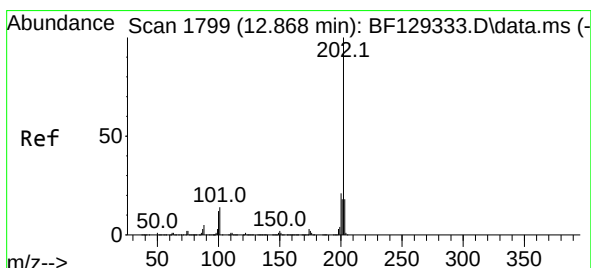
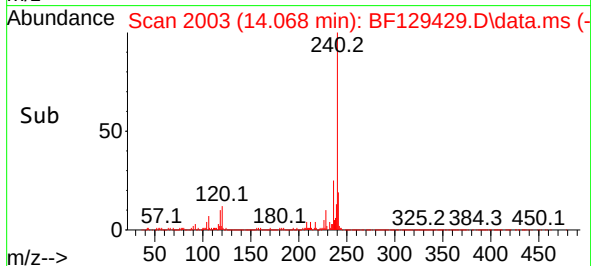
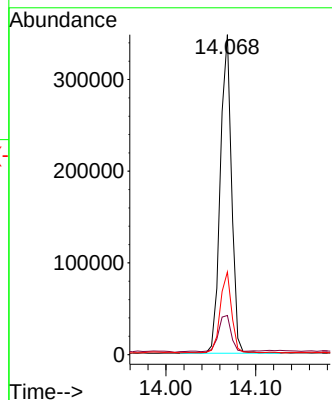
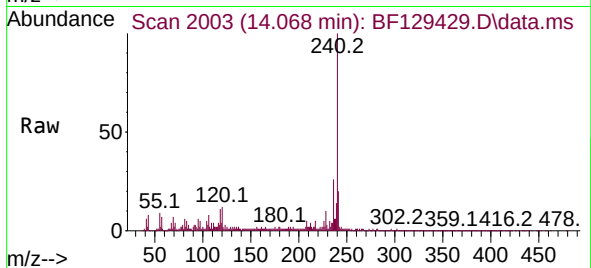
JC-03-072722-B

Tgt Ion:240 Resp: 303190
Ion Ratio Lower Upper
240 100
120 12.3 8.9 13.3
236 25.8 20.8 31.2

Manual Integrations

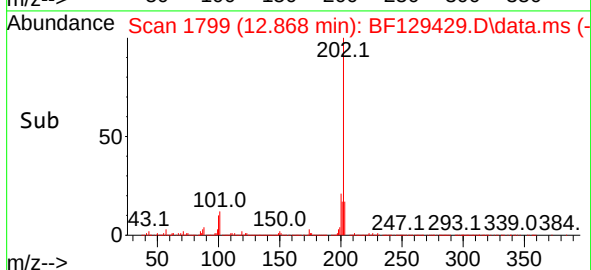
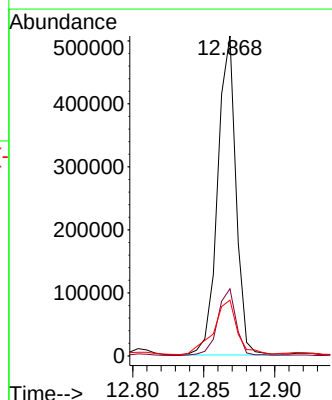
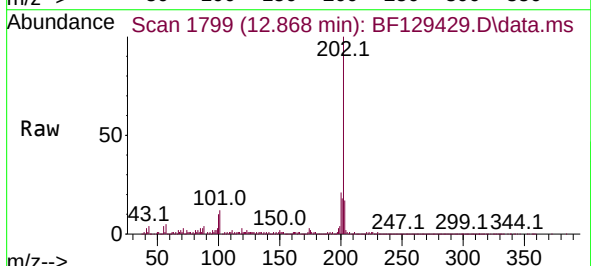
APPROVED

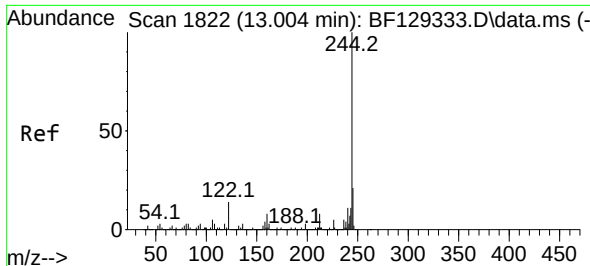
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#78
Pyrene
Concen: 17.972 ng
RT: 12.868 min Scan# 1799
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Tgt Ion:202 Resp: 455658
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 17.4 14.6 21.8





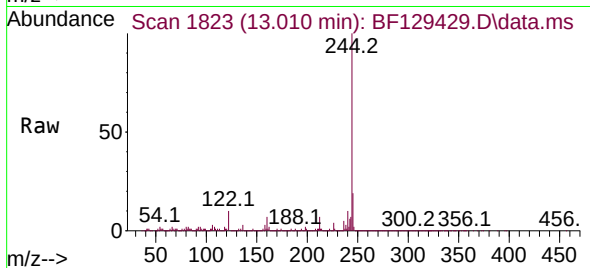
#79
Terphenyl-d14
Concen: 85.275 ng
RT: 13.010 min Scan# 1822
Delta R.T. 0.006 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

JC-03-072722-B

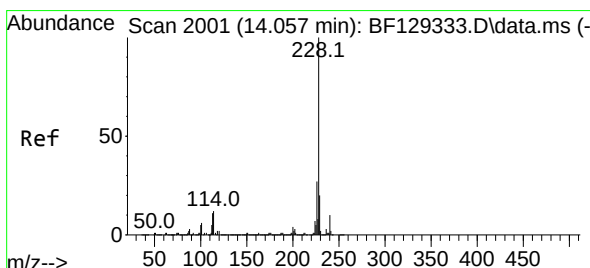
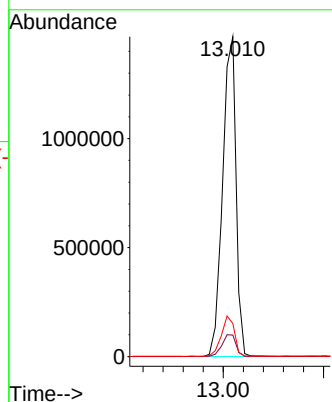
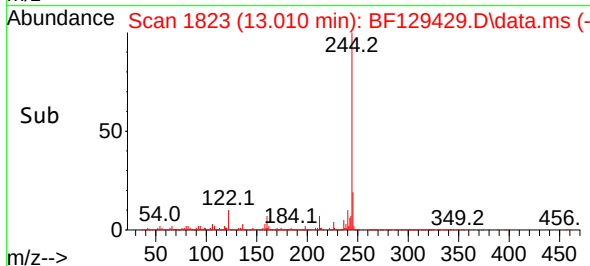


Tgt Ion:244 Resp: 1370446
Ion Ratio Lower Upper
244 100
212 6.7 6.1 9.1
122 10.3 8.8 13.2

Manual Integrations

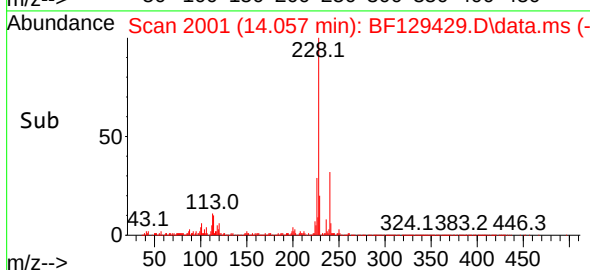
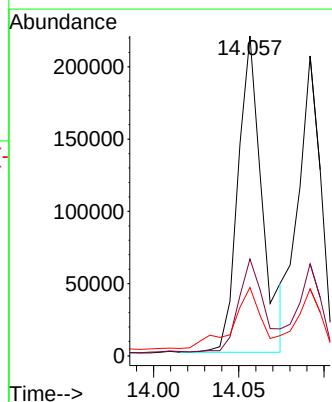
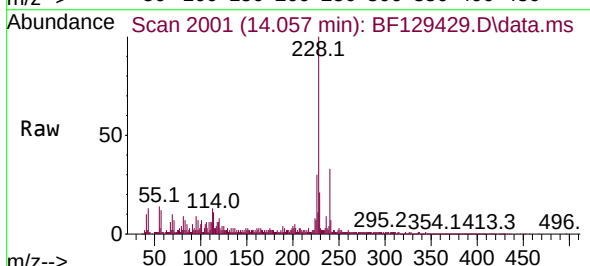
APPROVED

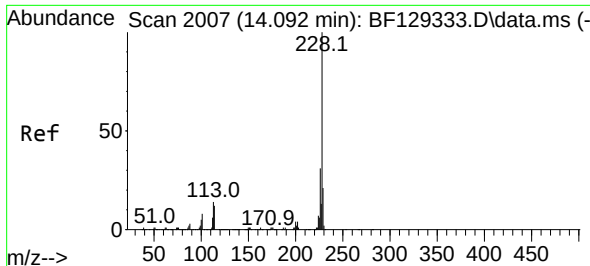
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#81
Benzo(a)anthracene
Concen: 10.402 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

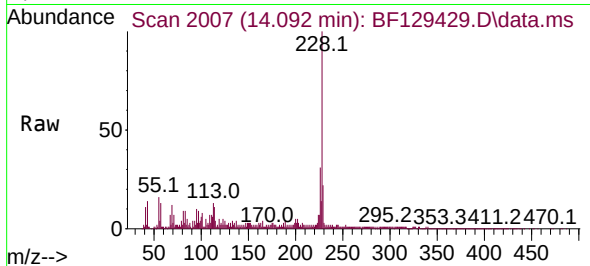
Tgt Ion:228 Resp: 215432
Ion Ratio Lower Upper
228 100
226 30.3 22.1 33.1
229 21.4 15.8 23.8





#83
Chrysene
Concen: 9.691 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

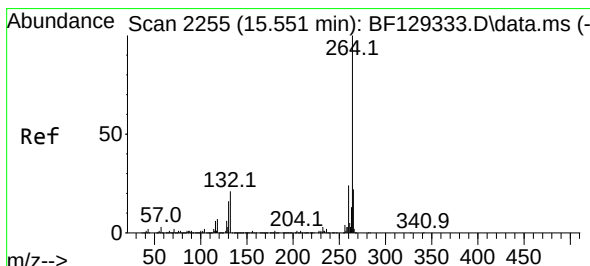
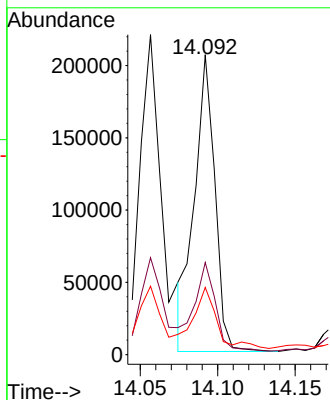
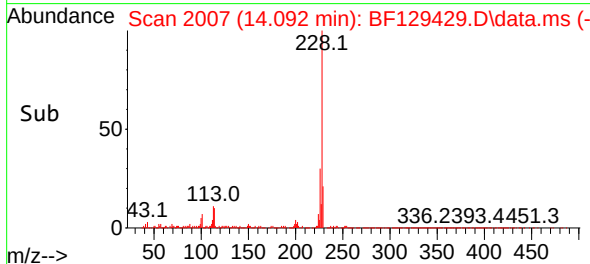
Instrument :
BNA_F
ClientSampleId :
JC-03-072722-B



Tgt Ion:228 Resp: 189168
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 22.4 15.9 23.9

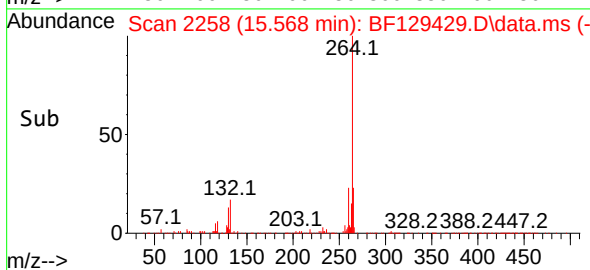
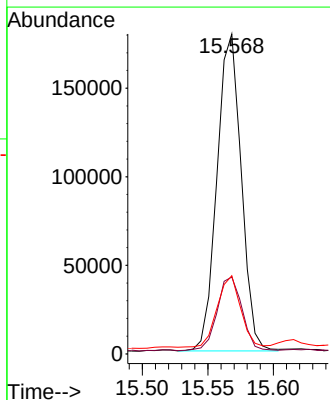
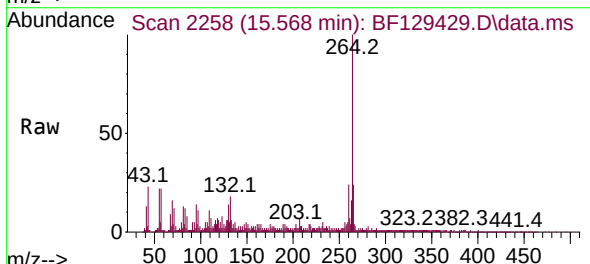
Manual Integrations
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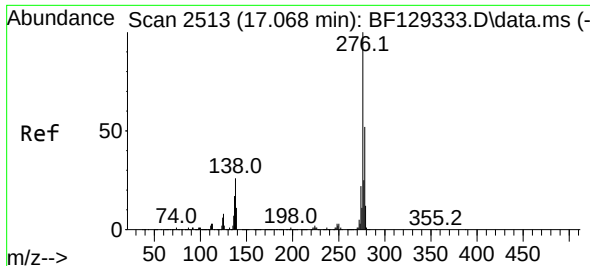
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2258
Delta R.T. 0.018 min
Lab File: BF129429.D
Acq: 29 Jul 2022 02:21

Tgt Ion:264 Resp: 230718
Ion Ratio Lower Upper
264 100
260 24.0 18.4 27.6
265 24.4 17.2 25.8





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.206 ng
 RT: 17.080 min Scan# 211
 Delta R.T. 0.012 min
 Lab File: BF129429.D
 Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

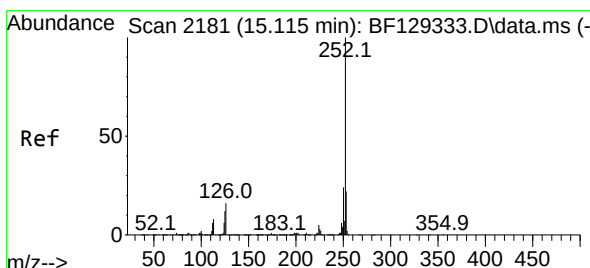
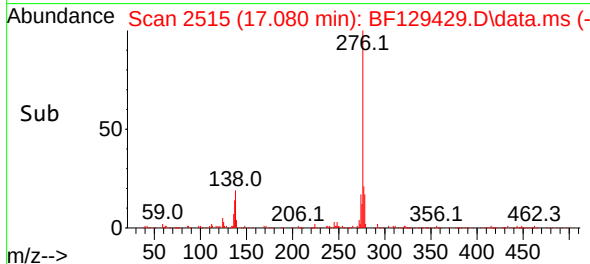
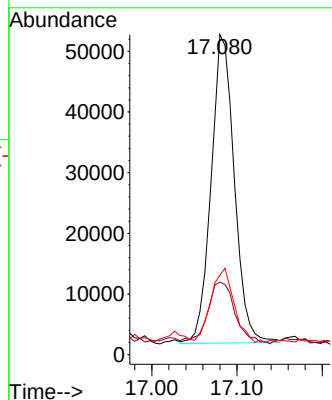
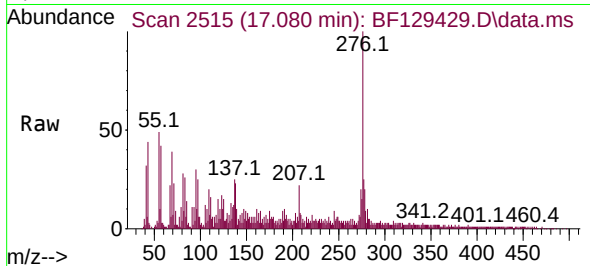
ClientSampleId :

JC-03-072722-B

Tgt Ion:276 Resp: 96415
 Ion Ratio Lower Upper
 276 100
 138 23.8 21.1 31.7
 277 24.0 20.3 30.5

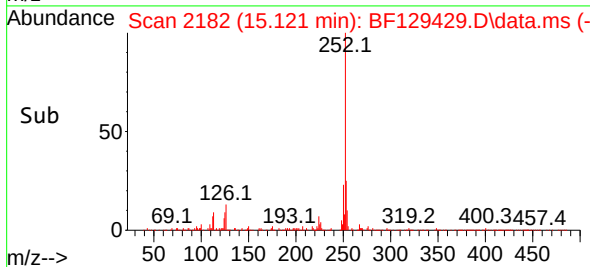
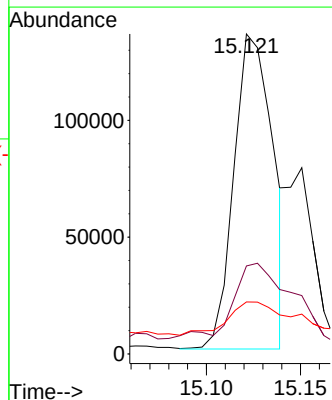
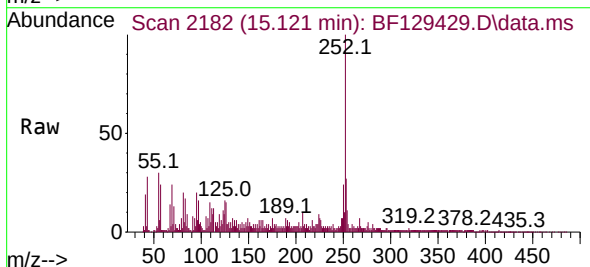
Manual Integrations
 APPROVED

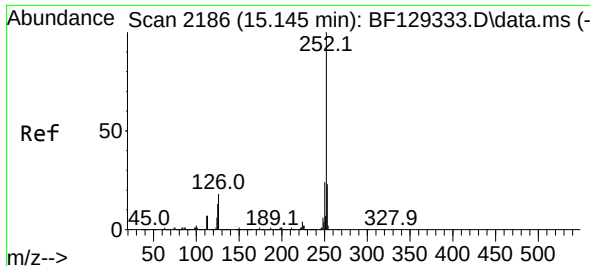
Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022



#88
 Benzo(b)fluoranthene
 Concen: 12.724 ng m
 RT: 15.121 min Scan# 2182
 Delta R.T. 0.006 min
 Lab File: BF129429.D
 Acq: 29 Jul 2022 02:21

Tgt Ion:252 Resp: 194738
 Ion Ratio Lower Upper
 252 100
 253 27.5 17.7 26.5#
 125 16.2 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 5.059 ng m

RT: 15.151 min Scan# 2186

Delta R.T. 0.006 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

Instrument :

BNA_F

ClientSampleId :

JC-03-072722-B

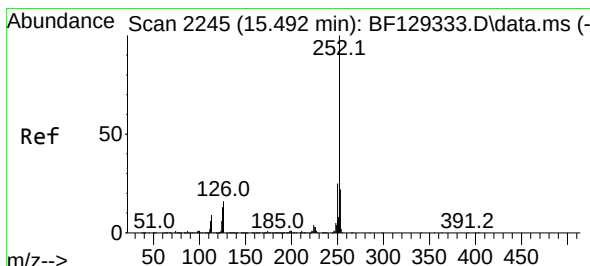
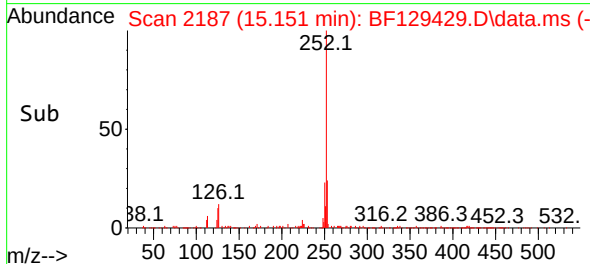
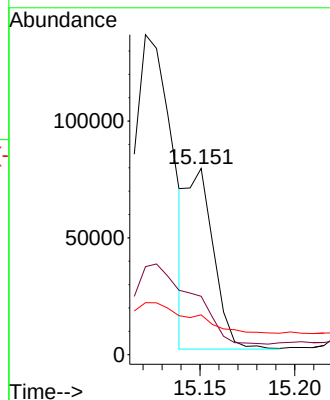
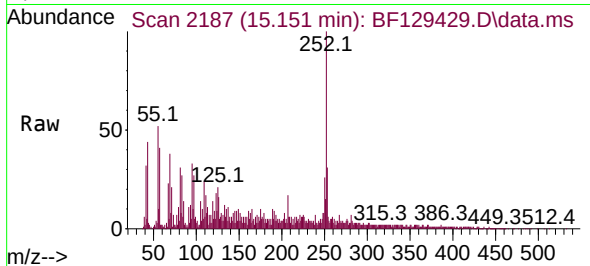
Tgt Ion:252 Resp: 75868
 Ion Ratio Lower Upper
 252 100
 253 31.3 17.8 26.6
 125 21.3 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#90

Benzo(a)pyrene

Concen: 11.324 ng

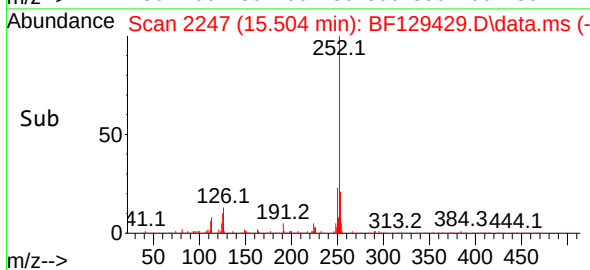
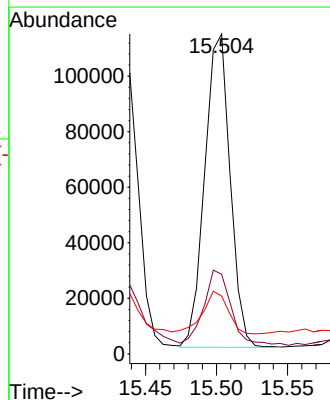
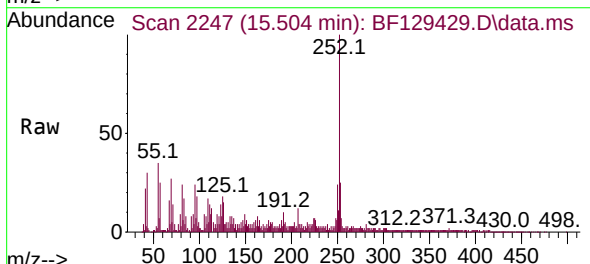
RT: 15.504 min Scan# 2247

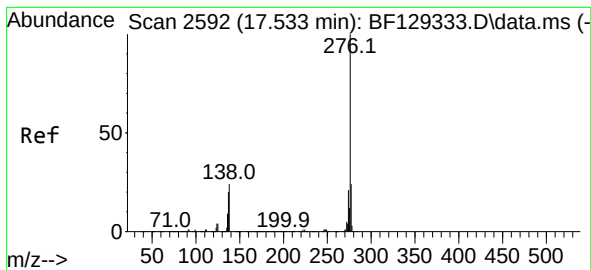
Delta R.T. 0.012 min

Lab File: BF129429.D

Acq: 29 Jul 2022 02:21

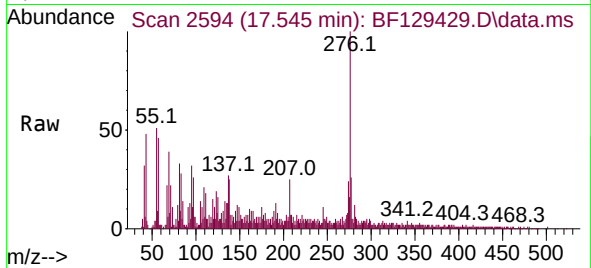
Tgt Ion:252 Resp: 140680
 Ion Ratio Lower Upper
 252 100
 253 24.9 17.0 25.6
 125 18.1 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 7.600 ng
 RT: 17.545 min Scan# 2594
 Delta R.T. 0.012 min
 Lab File: BF129429.D
 Acq: 29 Jul 2022 02:21

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-072722-B



Tgt Ion:	276	Resp:	9820
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.1	28.7
138	25.5	18.0	27.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022

