

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
 Data File : BF129525.D
 Acq On : 03 Aug 2022 00:52
 Operator : CG\JU
 Sample : N3976-05DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3-0729DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/03/2022
 Supervised By : Jagrut Upadhyay 08/03/2022

Quant Time: Aug 03 01:48:57 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	159897	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	577157	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	256232	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	387765	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	259775	20.000	ng	0.00
86) Perylene-d12	15.545	264	211412	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.511	112	338400	34.476	ng	0.00
7) Phenol-d6	6.522	99	429032	34.774	ng	0.00
23) Nitrobenzene-d5	7.440	82	264655	25.032	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	71050	28.841	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	431061	26.024	ng	0.00
79) Terphenyl-d14	12.987	244	340655	24.740	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.181	128	104715	3.571	ng	99
37) 2-Methylnaphthalene	8.869	142	41373	2.171	ng	100
71) Phenanthrene	11.434	178	438915	20.736	ng	98
72) Anthracene	11.481	178	119146	5.728	ng	98
73) Carbazole	11.640	167	55130	2.815	ng	99
75) Fluoranthene	12.628	202	792242	36.939	ng	99
78) Pyrene	12.857	202	740318	34.080	ng	98
81) Benzo(a)anthracene	14.045	228	438322	24.701	ng	95
83) Chrysene	14.081	228	415882	24.867	ng	97
87) Indeno(1,2,3-cd)pyrene	17.051	276	242488	17.033	ng	93
88) Benzo(b)fluoranthene	15.104	252	518674m	36.986	ng	
89) Benzo(k)fluoranthene	15.133	252	191483m	13.933	ng	
90) Benzo(a)pyrene	15.481	252	372867	32.754	ng	94
91) Dibenzo(a,h)anthracene	17.057	278	63208	5.455	ng	# 87
92) Benzo(g,h,i)perylene	17.510	276	224325	18.946	ng	98

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

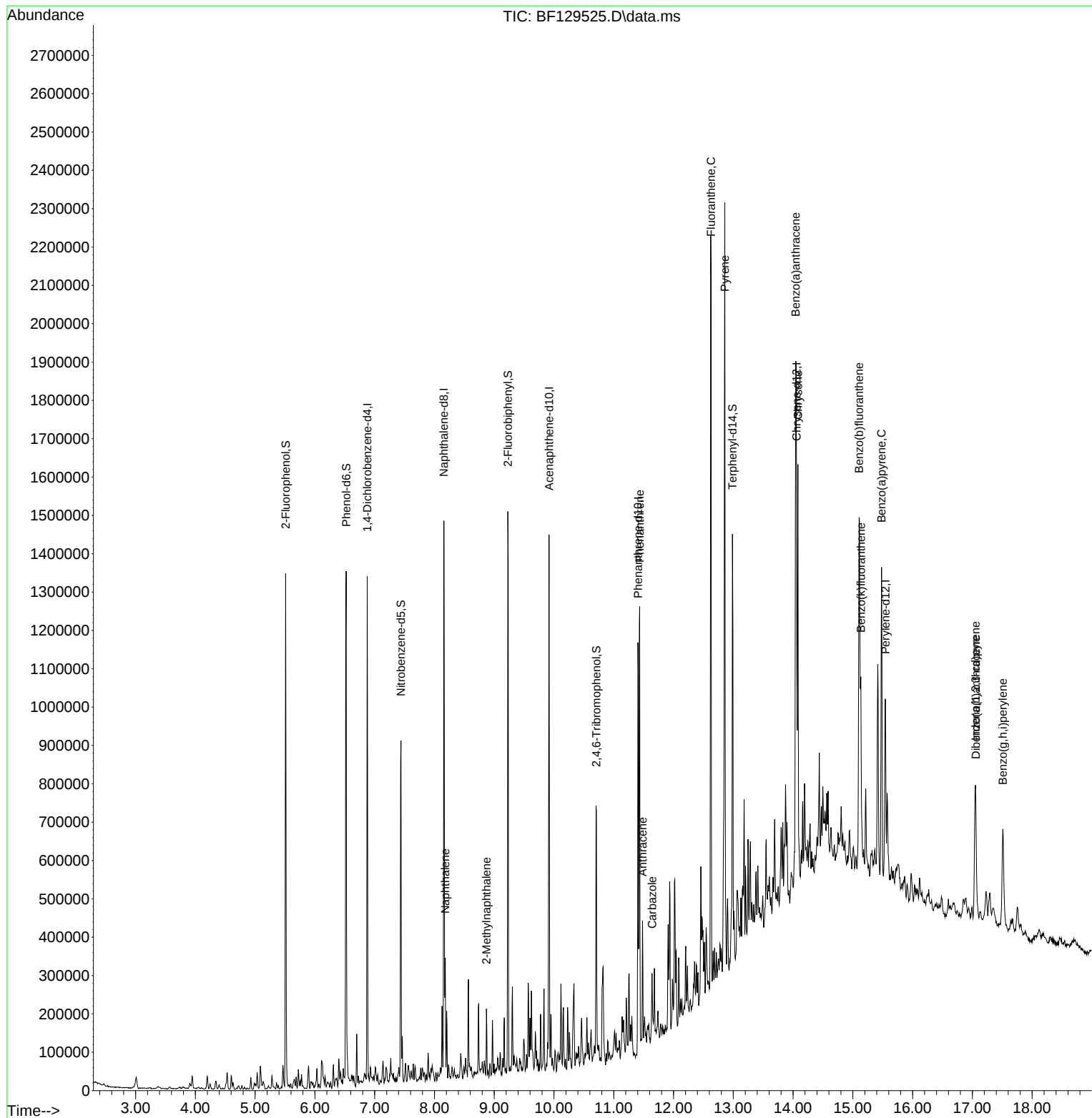
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
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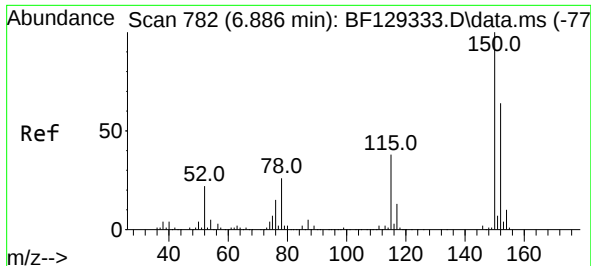
Instrument :
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Quant Time: Aug 03 01:48:57 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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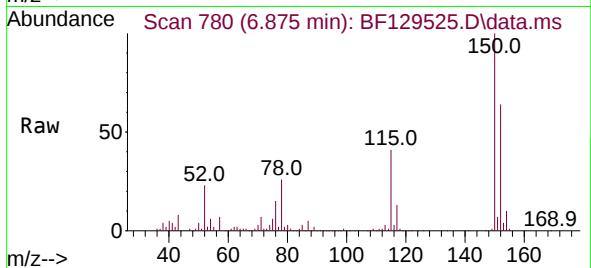
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 782
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

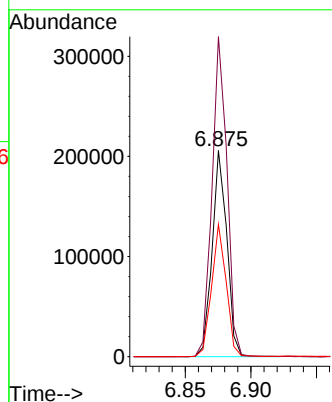
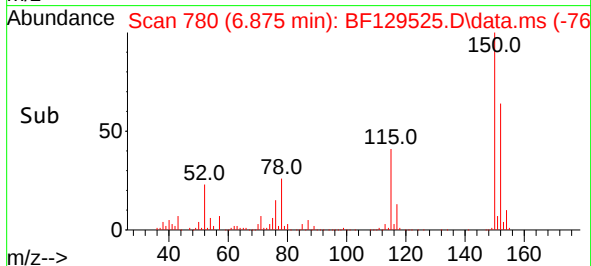
Instrument :
BNA_F
ClientSampleId :
TP3-0729DL



Tgt Ion:152 Resp: 159897
Ion Ratio Lower Upper
152 100
150 155.3 123.7 185.5
115 64.2 49.9 74.9

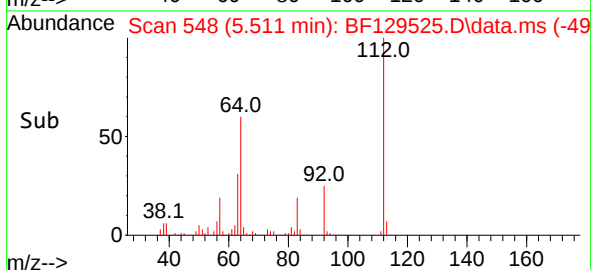
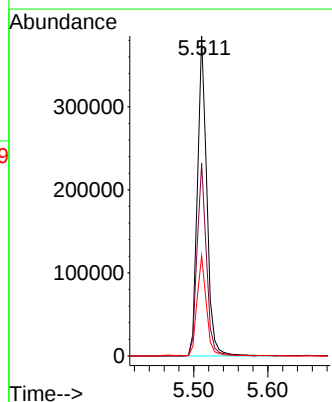
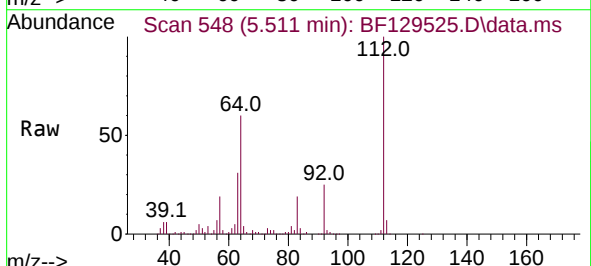
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#5
2-Fluorophenol
Concen: 34.476 ng
RT: 5.511 min Scan# 548
Delta R.T. 0.006 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

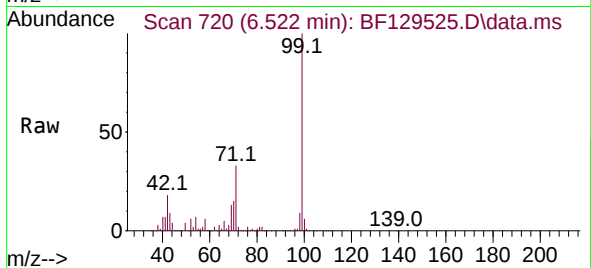
Tgt Ion:112 Resp: 338400
Ion Ratio Lower Upper
112 100
64 60.2 53.3 79.9
63 31.2 28.0 42.0





#7
Phenol-d6
Concen: 34.774 ng
RT: 6.522 min Scan# 719
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

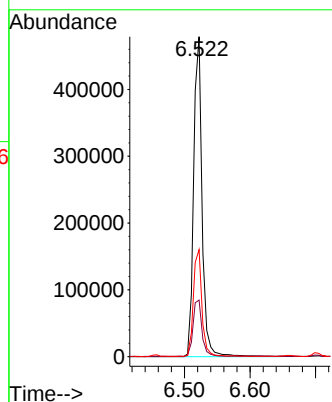
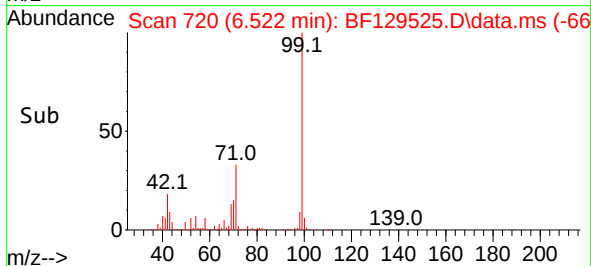
Instrument :
BNA_F
ClientSampleId :
TP3-0729DL



Tgt Ion: 99 Resp: 429032
Ion Ratio Lower Upper
99 100
42 17.7 17.3 25.9
71 33.4 28.9 43.3

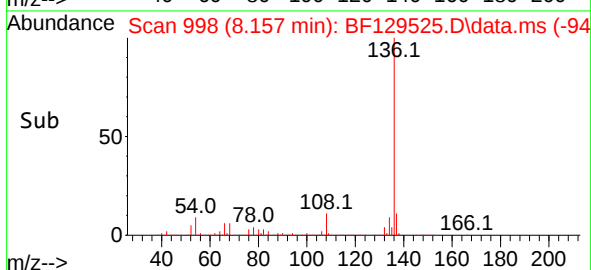
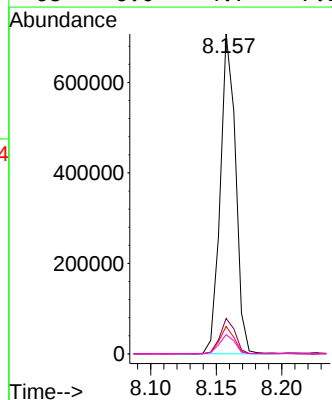
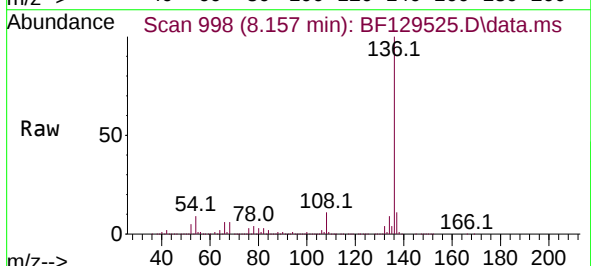
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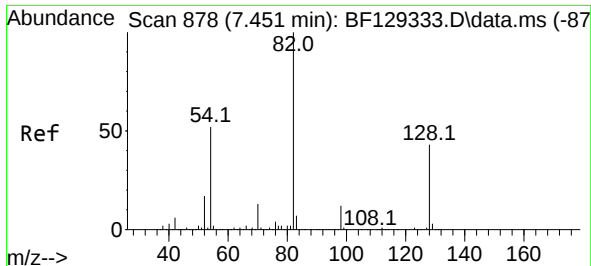
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

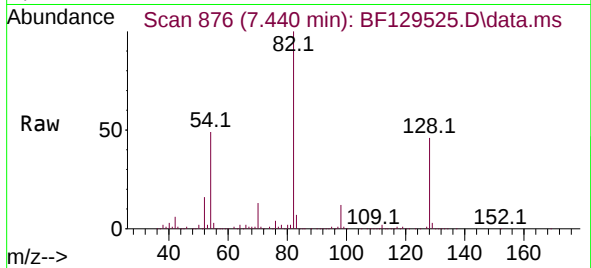
Tgt Ion:136 Resp: 577157
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.6 7.5 11.3
68 6.0 4.7 7.1





#23
Nitrobenzene-d5
Concen: 25.032 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

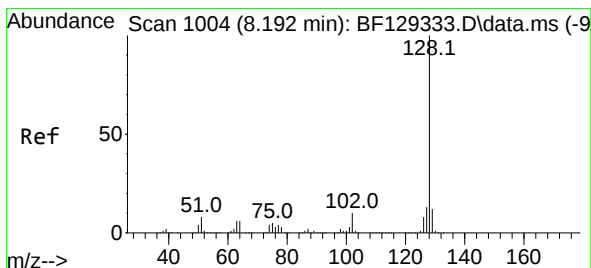
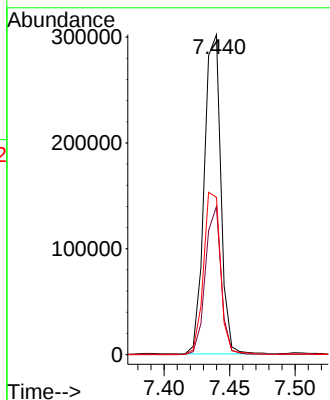
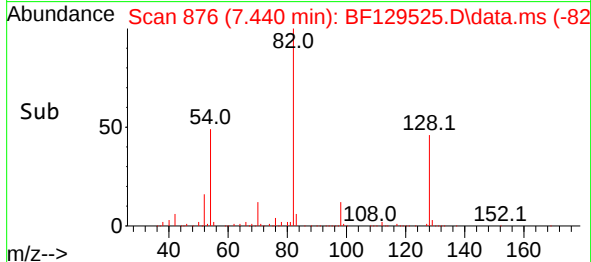
Instrument :
BNA_F
ClientSampleId :
TP3-0729DL



Tgt Ion: 82 Resp: 264655
Ion Ratio Lower Upper
82 100
128 46.3 34.0 51.0
54 49.2 46.9 70.3

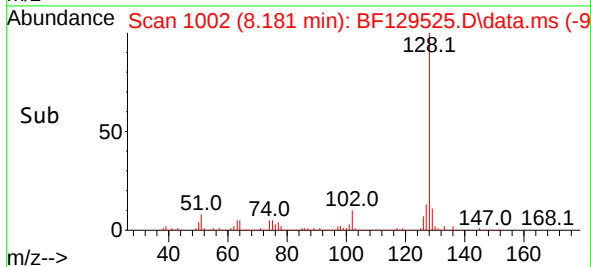
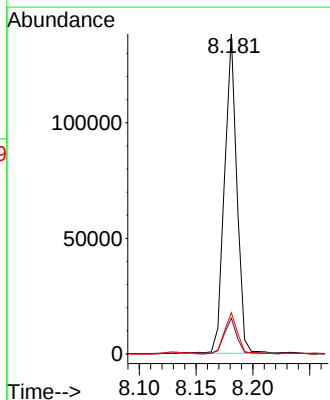
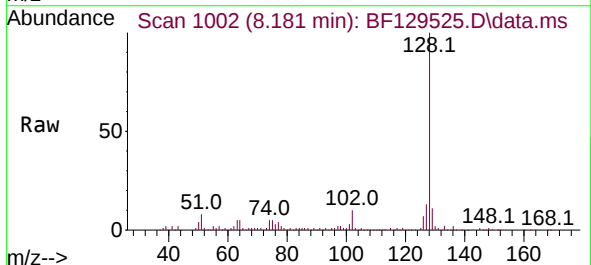
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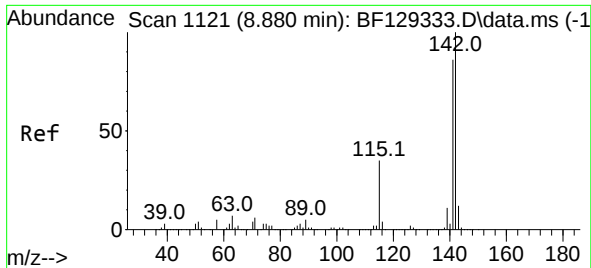
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#31
Naphthalene
Concen: 3.571 ng
RT: 8.181 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Tgt Ion:128 Resp: 104715
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 12.9 10.5 15.7





#37

2-Methylnaphthalene

Concen: 2.171 ng

RT: 8.869 min Scan# 1119

Delta R.T. 0.000 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

Instrument :

BNA_F

ClientSampleId :

TP3-0729DL

Tgt Ion:142 Resp: 41373

Ion Ratio Lower Upper

142 100

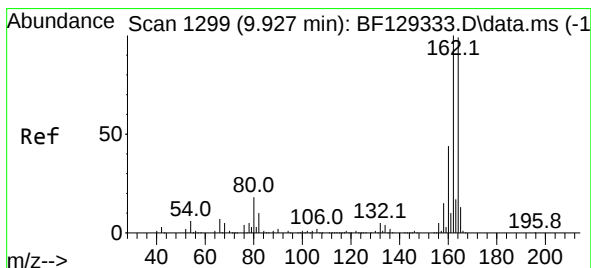
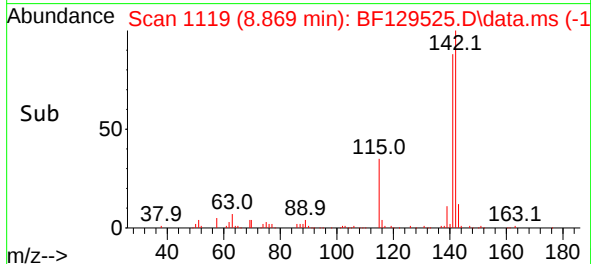
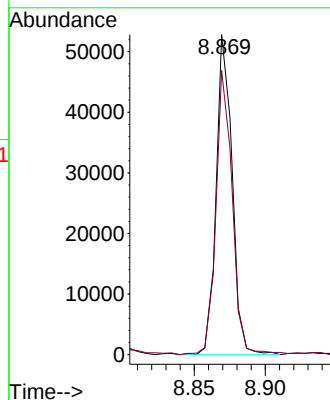
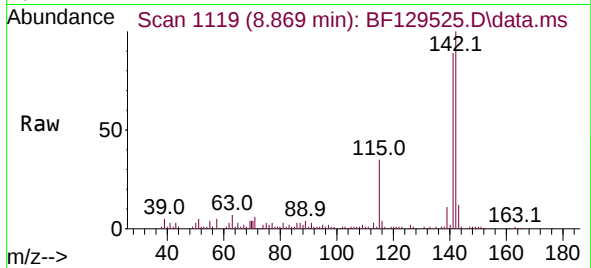
141 88.8 71.0 106.4

Manual Integrations

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Reviewed By :Christian Giraldo 08/03/2022

Supervised By :Jagrut Upadhyay 08/03/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1297

Delta R.T. 0.000 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

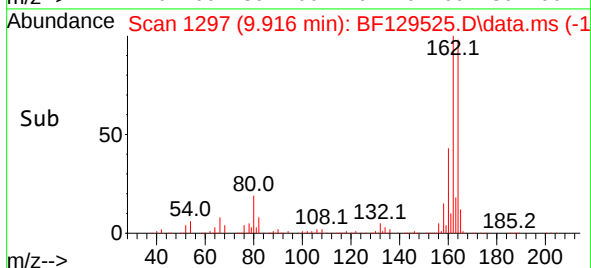
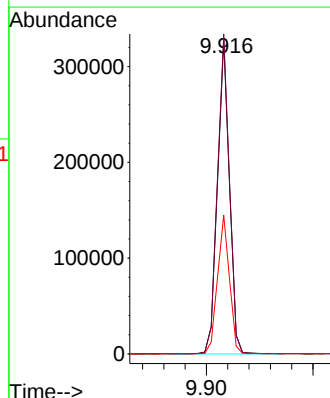
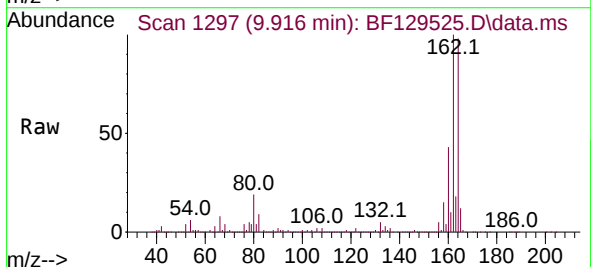
Tgt Ion:164 Resp: 256232

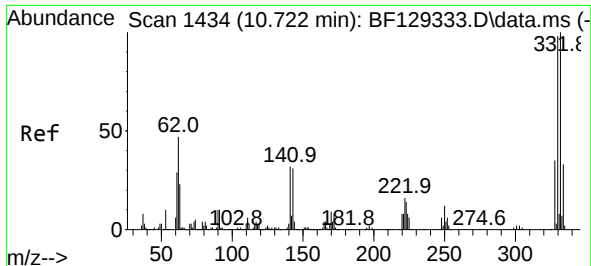
Ion Ratio Lower Upper

164 100

162 102.0 79.5 119.3

160 44.2 34.2 51.4





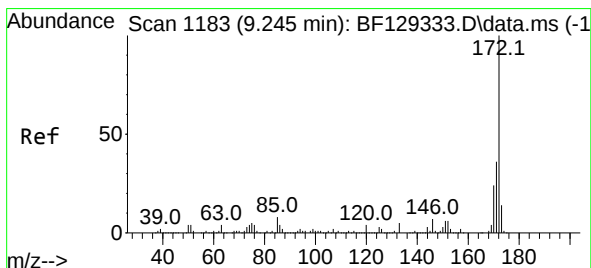
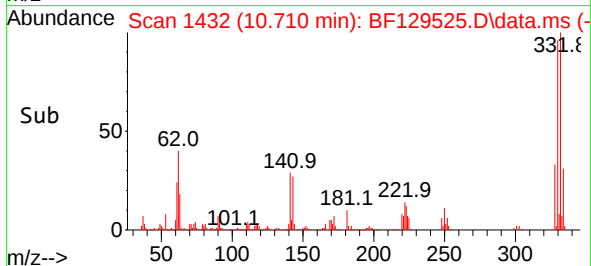
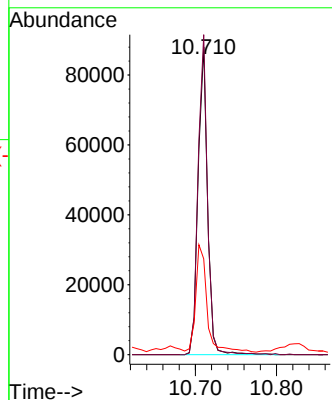
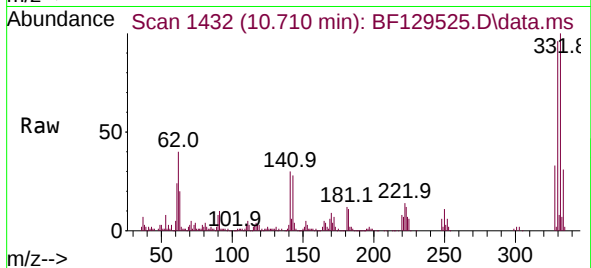
#42
2,4,6-Tribromophenol
Concen: 28.841 ng
RT: 10.710 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Instrument :
BNA_F
ClientSampleId :
TP3-0729DL

Tgt Ion: 330 Resp: 71050
Ion Ratio Lower Upper
330 100
332 103.0 76.8 115.2
141 41.0 28.0 42.0

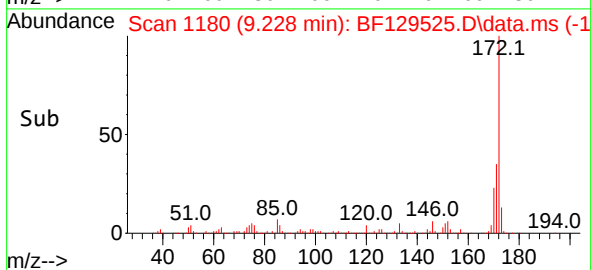
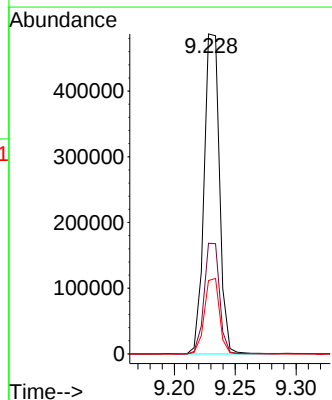
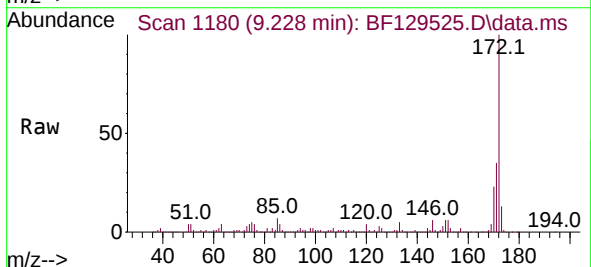
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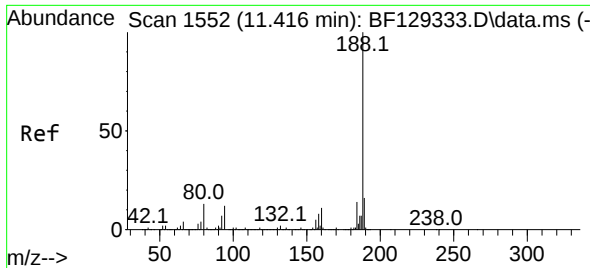
Reviewed By : Christian Giraldo 08/03/2022
Supervised By : Jagrut Upadhyay 08/03/2022



#45
2-Fluorobiphenyl
Concen: 26.024 ng
RT: 9.228 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Tgt Ion: 172 Resp: 431061
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 22.9 19.8 29.8





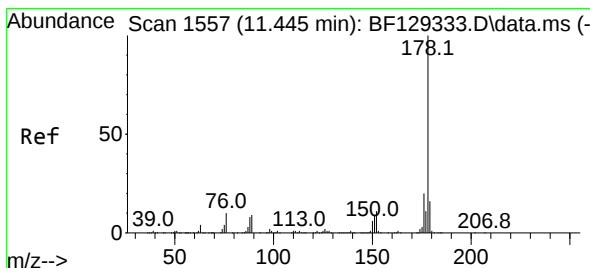
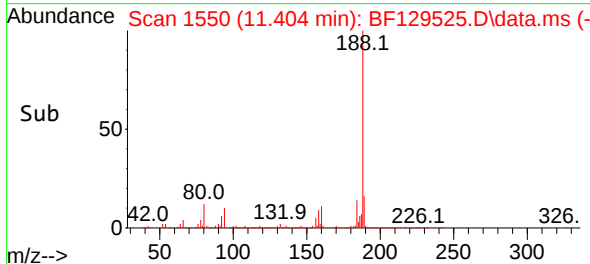
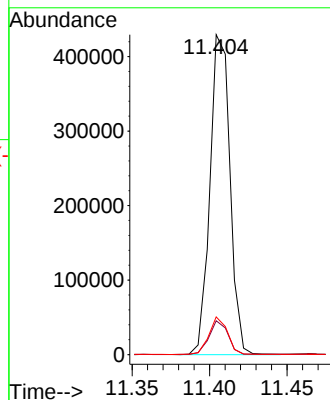
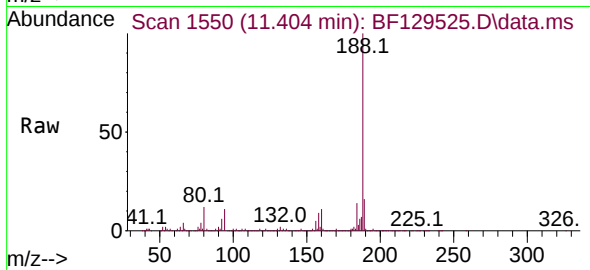
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Instrument :
BNA_F
ClientSampleId :
TP3-0729DL

Tgt Ion:188 Resp: 387765
Ion Ratio Lower Upper
188 100
94 10.6 7.0 10.6
80 11.8 7.6 11.4

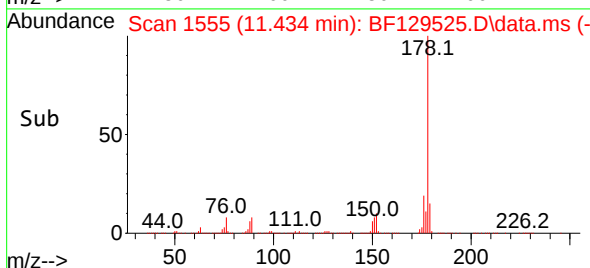
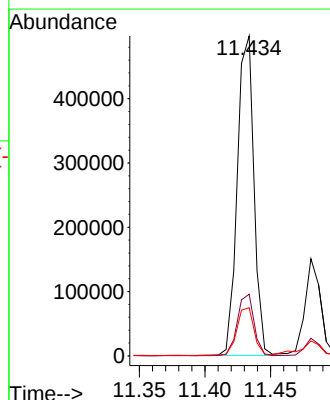
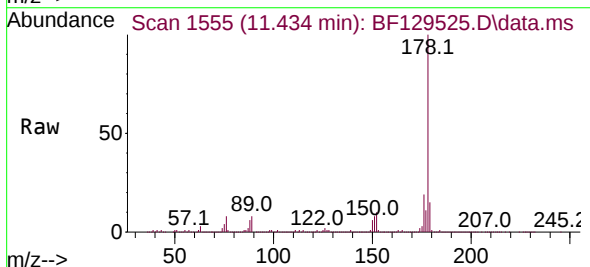
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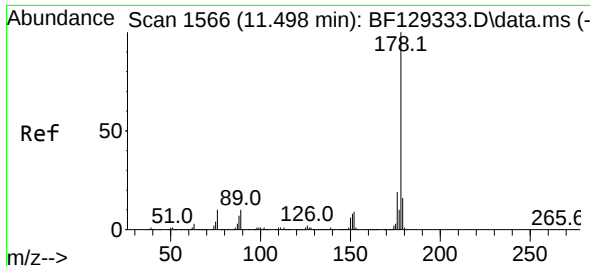
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#71
Phenanthrene
Concen: 20.736 ng
RT: 11.434 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

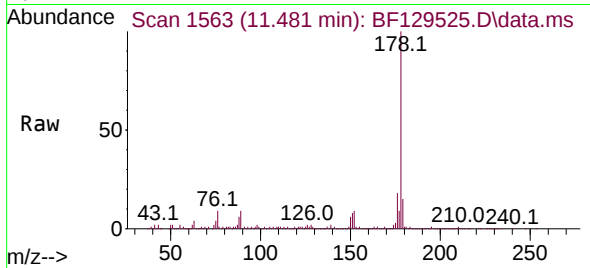
Tgt Ion:178 Resp: 438915
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.1 12.6 19.0





#72
 Anthracene
 Concen: 5.728 ng
 RT: 11.481 min Scan# 1566
 Delta R.T. 0.000 min
 Lab File: BF129525.D
 Acq: 03 Aug 2022 00:52

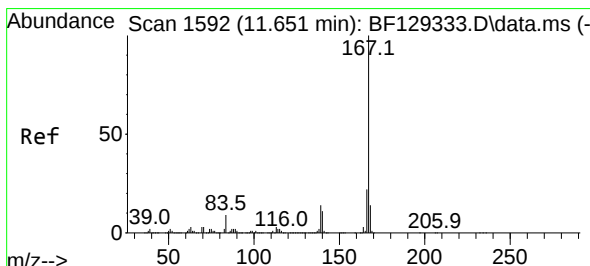
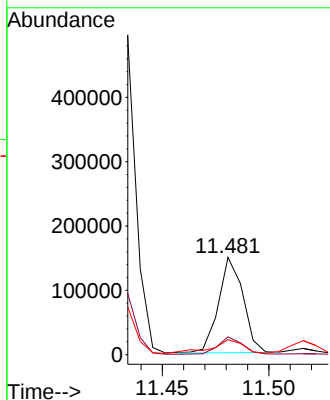
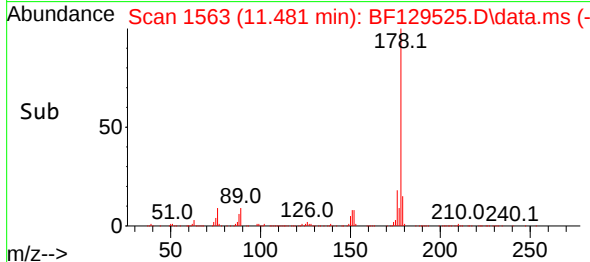
Instrument :
 BNA_F
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 TP3-0729DL



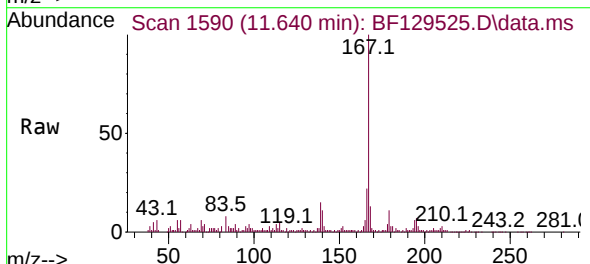
Tgt Ion:178 Resp: 119146
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 15.4 12.6 19.0

Manual Integrations
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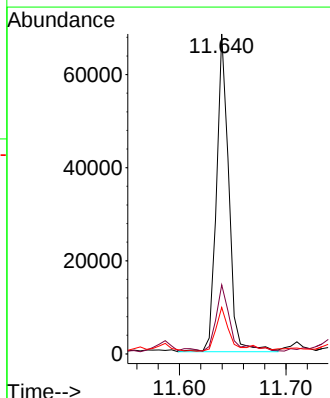
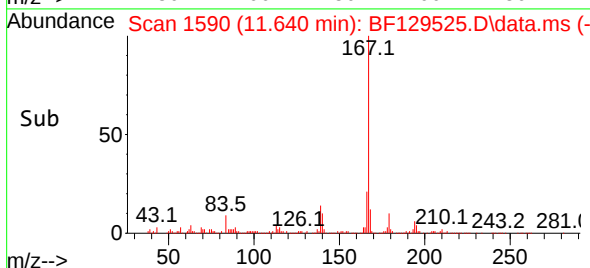
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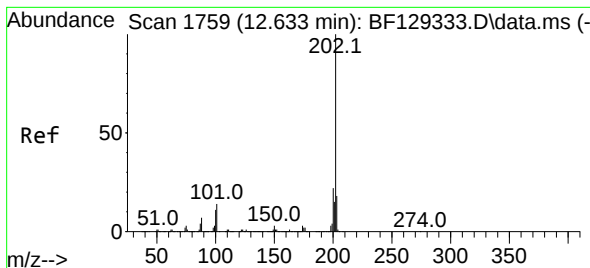


#73
 Carbazole
 Concen: 2.815 ng
 RT: 11.640 min Scan# 1590
 Delta R.T. 0.000 min
 Lab File: BF129525.D
 Acq: 03 Aug 2022 00:52



Tgt Ion:167 Resp: 55130
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.7 26.5
 139 14.5 11.2 16.8





#75

Fluoranthene

Concen: 36.939 ng

RT: 12.628 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

Instrument :

BNA_F

ClientSampleId :

TP3-0729DL

Tgt Ion:202 Resp: 79224

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

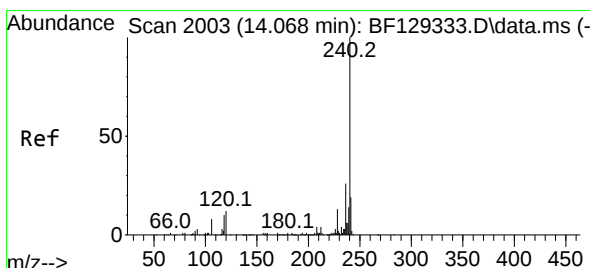
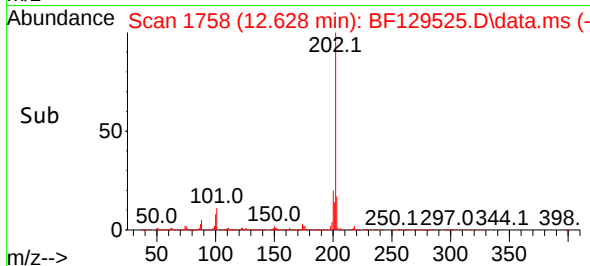
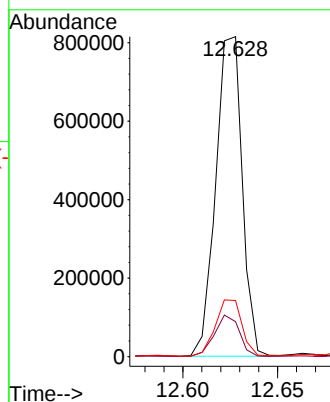
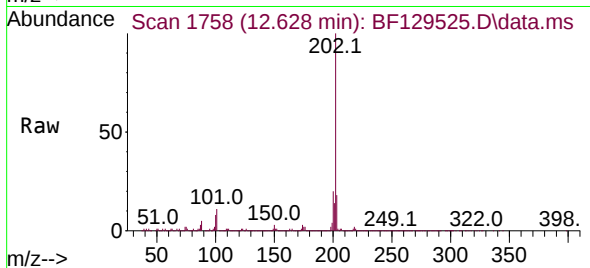
203 17.5 0.0 38.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/03/2022

Supervised By :Jagrut Upadhyay 08/03/2022



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2001

Delta R.T. 0.006 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

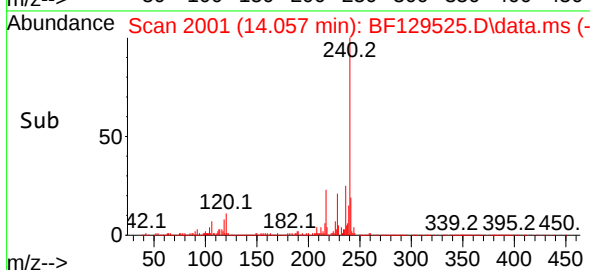
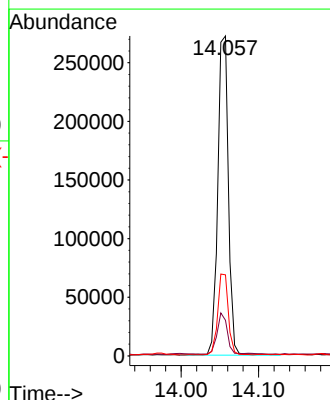
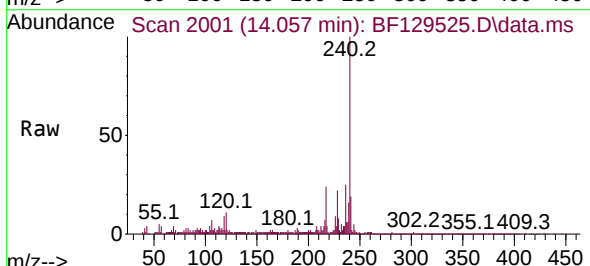
Tgt Ion:240 Resp: 259775

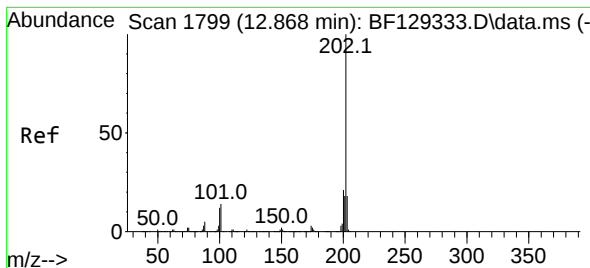
Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

236 25.3 20.8 31.2





#78

Pyrene

Concen: 34.080 ng

RT: 12.857 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

Instrument :

BNA_F

ClientSampleId :

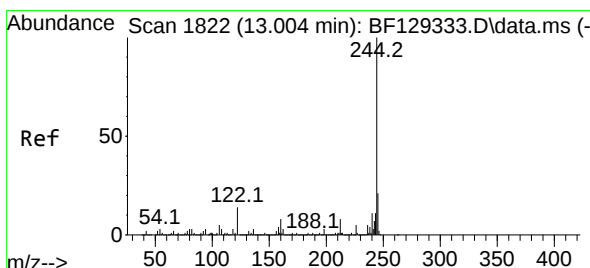
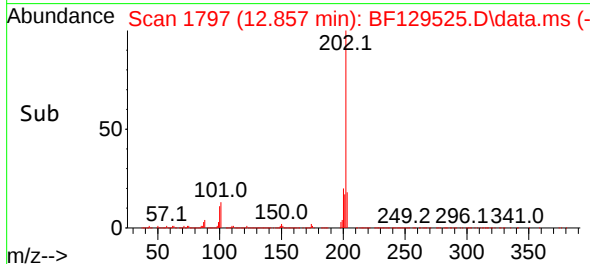
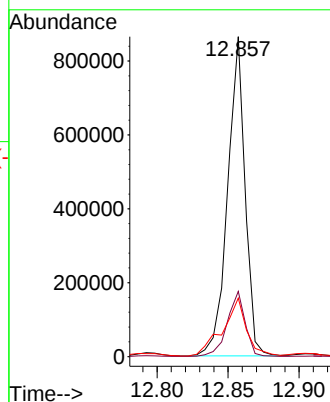
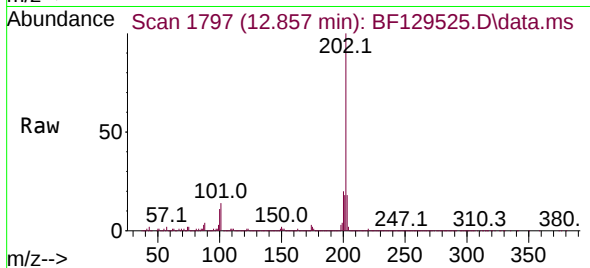
TP3-0729DL

Tgt Ion:202 Resp: 740318
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.7 26.5
 203 18.3 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/03/2022
 Supervised By :Jagrut Upadhyay 08/03/2022



#79

Terphenyl-d14

Concen: 24.740 ng

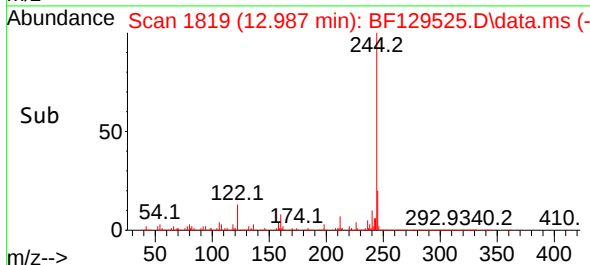
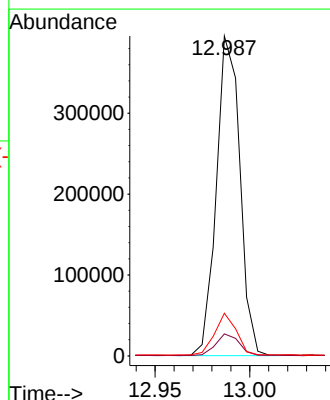
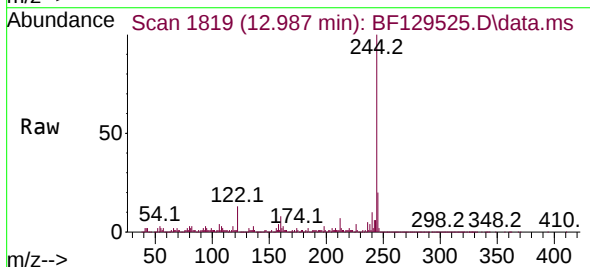
RT: 12.987 min Scan# 1819

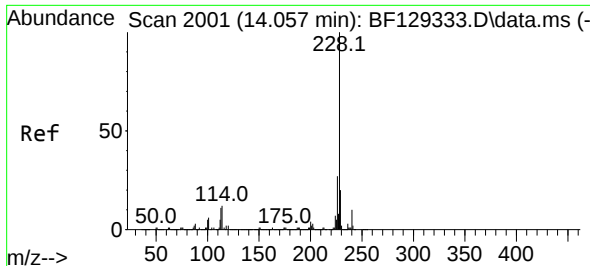
Delta R.T. 0.000 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

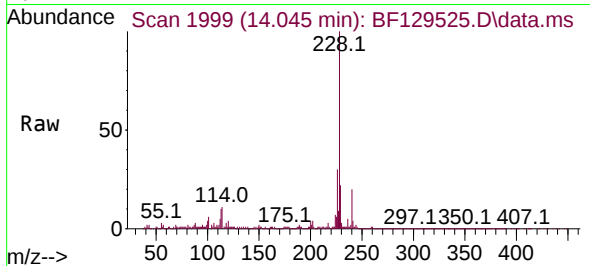
Tgt Ion:244 Resp: 340655
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 13.3 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 24.701 ng
RT: 14.045 min Scan# 1999
Delta R.T. 0.006 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

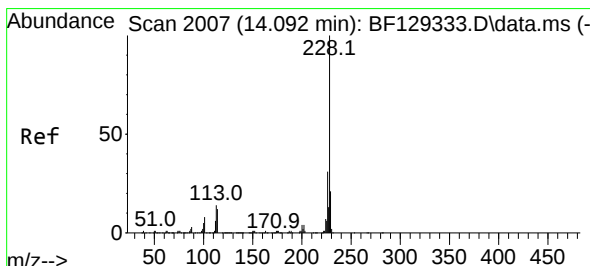
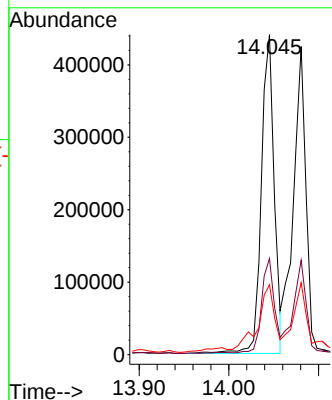
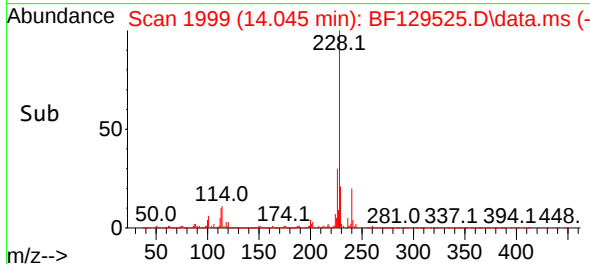
Instrument :
BNA_F
ClientSampleId :
TP3-0729DL



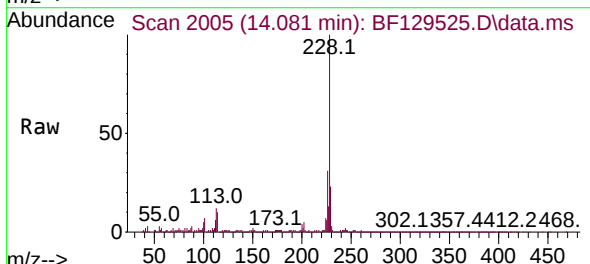
Tgt Ion:228 Resp: 438322
Ion Ratio Lower Upper
228 100
226 30.0 22.1 33.1
229 21.8 15.8 23.8

Manual Integrations
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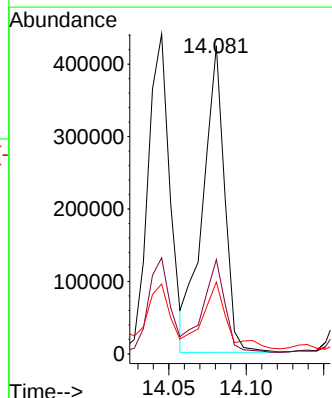
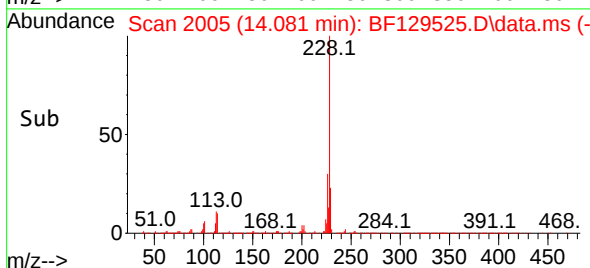
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022

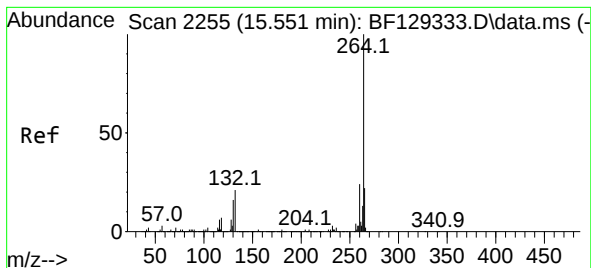


#83
Chrysene
Concen: 24.867 ng
RT: 14.081 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52



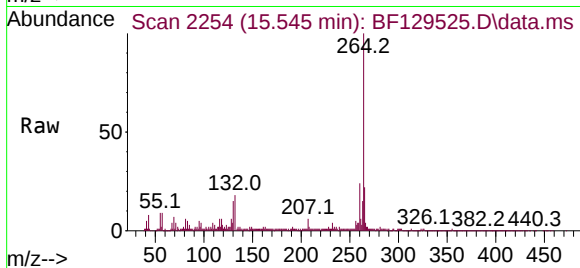
Tgt Ion:228 Resp: 415882
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 23.4 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21141
Delta R.T. 0.018 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

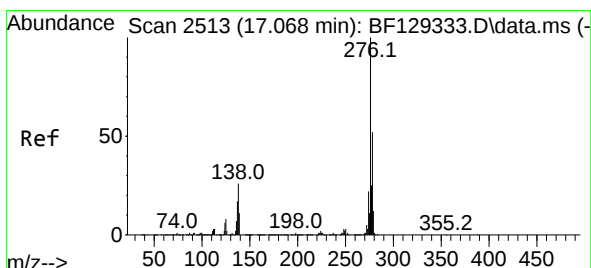
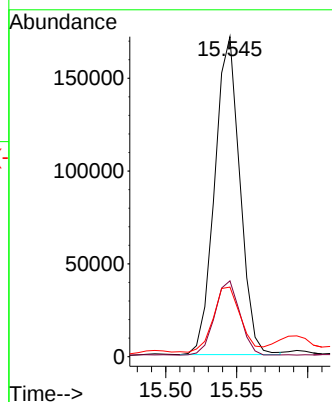
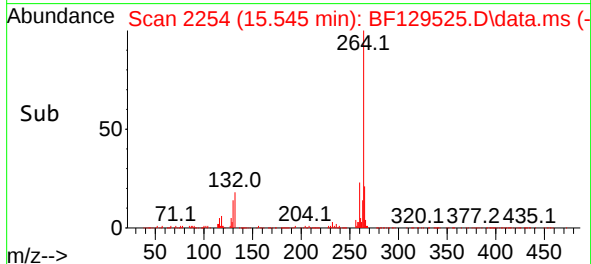
Instrument :
BNA_F
ClientSampleId :
TP3-0729DL



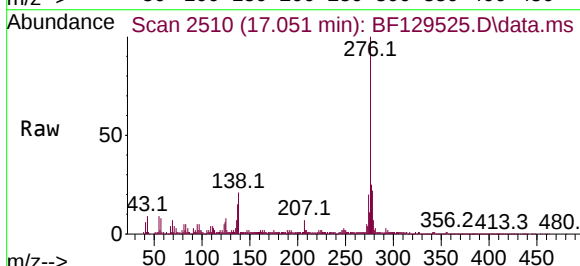
Tgt Ion:264 Resp: 211412
Ion Ratio Lower Upper
264 100
260 23.7 18.4 27.6
265 21.7 17.2 25.8

Manual Integrations
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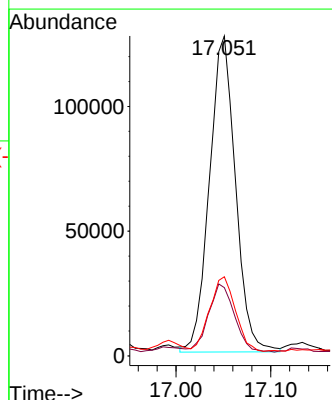
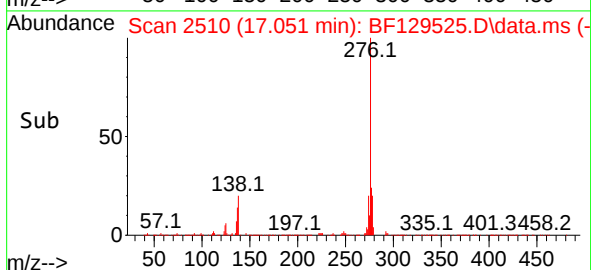
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022

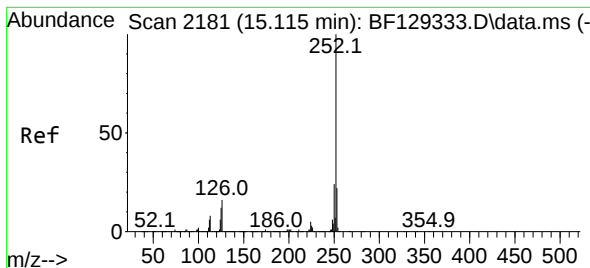


#87
Indeno(1,2,3-cd)pyrene
Concen: 17.033 ng
RT: 17.051 min Scan# 2510
Delta R.T. 0.018 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52



Tgt Ion:276 Resp: 242488
Ion Ratio Lower Upper
276 100
138 21.6 21.1 31.7
277 23.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 36.986 ng m

RT: 15.104 min Scan# 2181

Delta R.T. 0.012 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

Instrument :

BNA_F

ClientSampleId :

TP3-0729DL

Tgt Ion:252 Resp: 518674

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

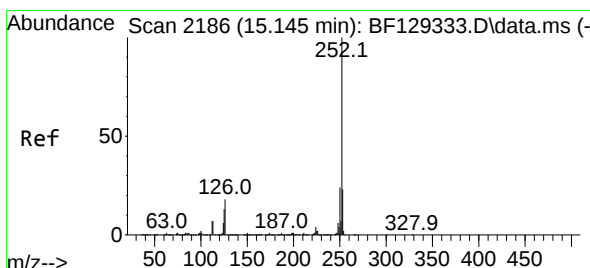
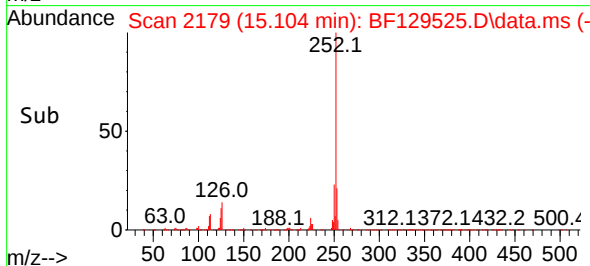
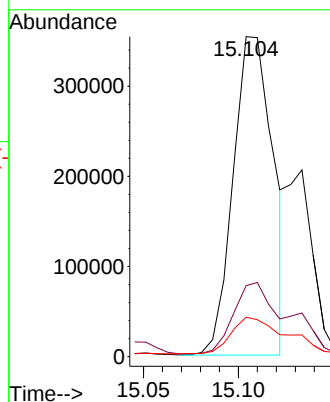
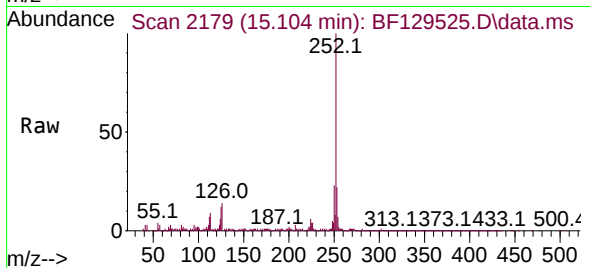
125 12.3 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/03/2022

Supervised By :Jagrut Upadhyay 08/03/2022



#89

Benzo(k)fluoranthene

Concen: 13.933 ng m

RT: 15.133 min Scan# 2184

Delta R.T. 0.012 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

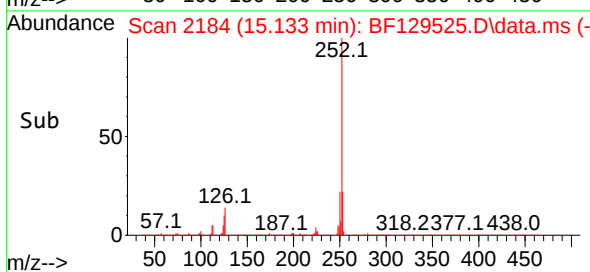
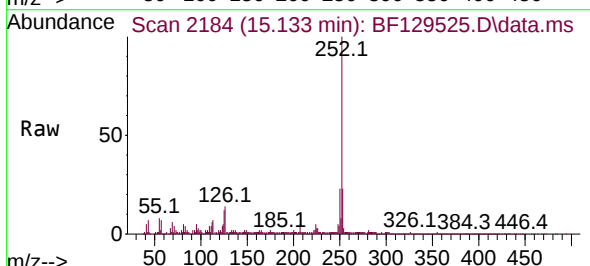
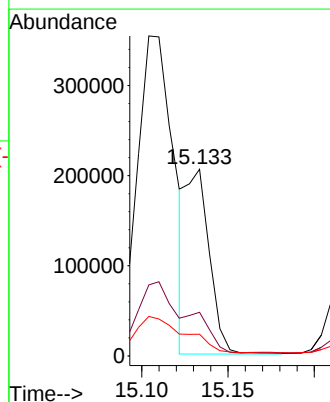
Tgt Ion:252 Resp: 191483

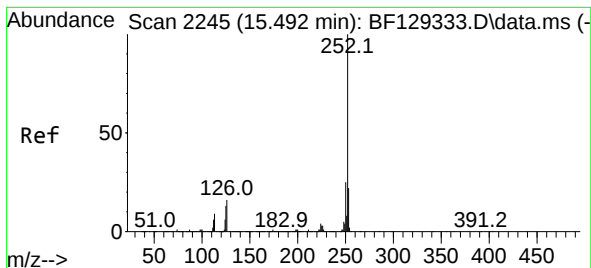
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 11.7 8.3 12.5





#90

Benzo(a)pyrene

Concen: 32.754 ng

RT: 15.481 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

Instrument :

BNA_F

ClientSampleId :

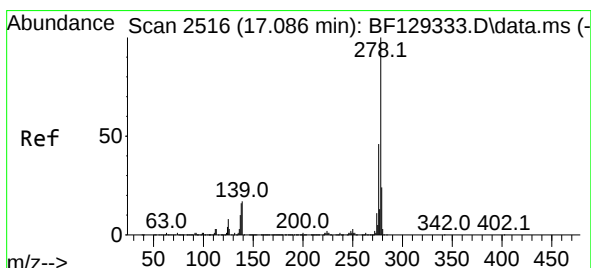
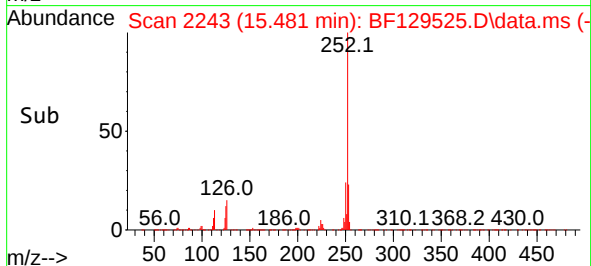
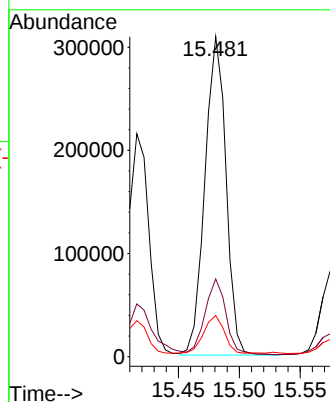
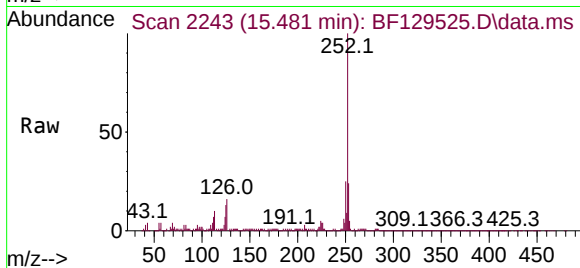
TP3-0729DL

Tgt Ion:252 Resp: 37286
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.0 25.6
 125 12.8 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/03/2022
 Supervised By :Jagrut Upadhyay 08/03/2022



#91

Dibenzo(a,h)anthracene

Concen: 5.455 ng

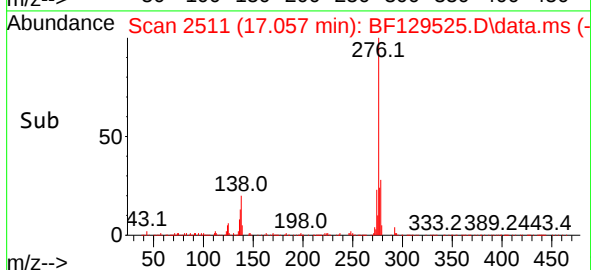
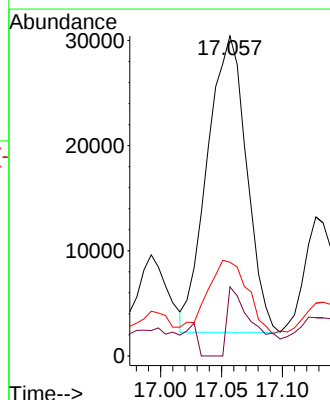
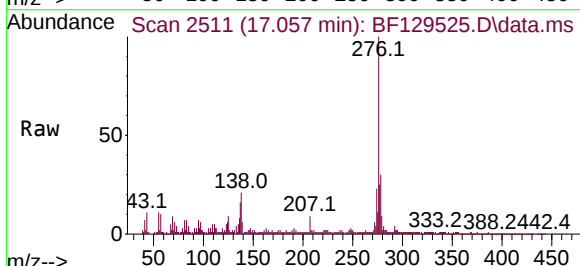
RT: 17.057 min Scan# 2511

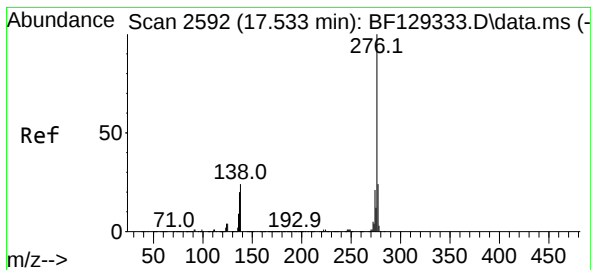
Delta R.T. 0.012 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

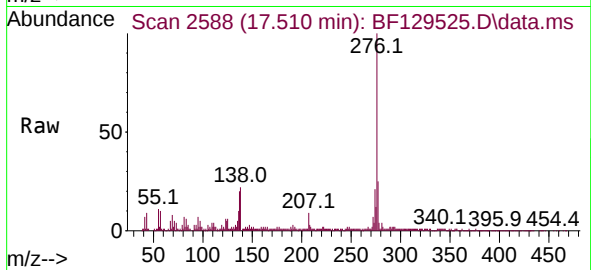
Tgt Ion:278 Resp: 63208
 Ion Ratio Lower Upper
 278 100
 139 21.6 12.8 19.2#
 279 29.3 18.6 28.0#





#92
Benzo(g,h,i)perylene
Concen: 18.946 ng
RT: 17.510 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Instrument :
BNA_F
ClientSampleId :
TP3-0729DL



Tgt Ion: 276 Resp: 224325
Ion Ratio Lower Upper
276 100
277 25.1 19.1 28.7
138 22.0 18.0 27.0

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 08/03/2022
Supervised By : Jagrut Upadhyay 08/03/2022

