

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
 Data File : BF129527.D
 Acq On : 03 Aug 2022 01:56
 Operator : CG\JU
 Sample : N3982-01DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-072922DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 03 02:32:48 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	162075	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	572894	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	262042	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	444512	20.000	ng	0.00
76) Chrysene-d12	14.051	240	295135	20.000	ng	# 0.00
86) Perylene-d12	15.545	264	220433	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	160460	16.128	ng	0.00
7) Phenol-d6	6.522	99	192393	15.384	ng	0.00
23) Nitrobenzene-d5	7.434	82	109175	10.403	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	37084	14.720	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	199939	11.803	ng	0.00
79) Terphenyl-d14	12.986	244	211715	13.533	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.780	152	51701	2.201	ng	99
52) Acenaphthene	9.945	154	32554	2.122	ng	97
58) Fluorene	10.463	166	49033	2.897	ng	98
71) Phenanthrene	11.433	178	360322	14.850	ng	98
72) Anthracene	11.480	178	123986	5.200	ng	97
75) Fluoranthene	12.627	202	758413	30.848	ng	99
78) Pyrene	12.857	202	669411	27.124	ng	98
81) Benzo(a)anthracene	14.045	228	283316	14.053	ng	96
83) Chrysene	14.080	228	248504	13.079	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	111865	7.536	ng	95
88) Benzo(b)fluoranthene	15.104	252	275656m	18.852	ng	
89) Benzo(k)fluoranthene	15.127	252	90790m	6.336	ng	
90) Benzo(a)pyrene	15.480	252	186875	15.744	ng	96
91) Dibenzo(a,h)anthracene	17.056	278	27035	2.238	ng	# 76
92) Benzo(g,h,i)perylene	17.509	276	101458	8.218	ng	99

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

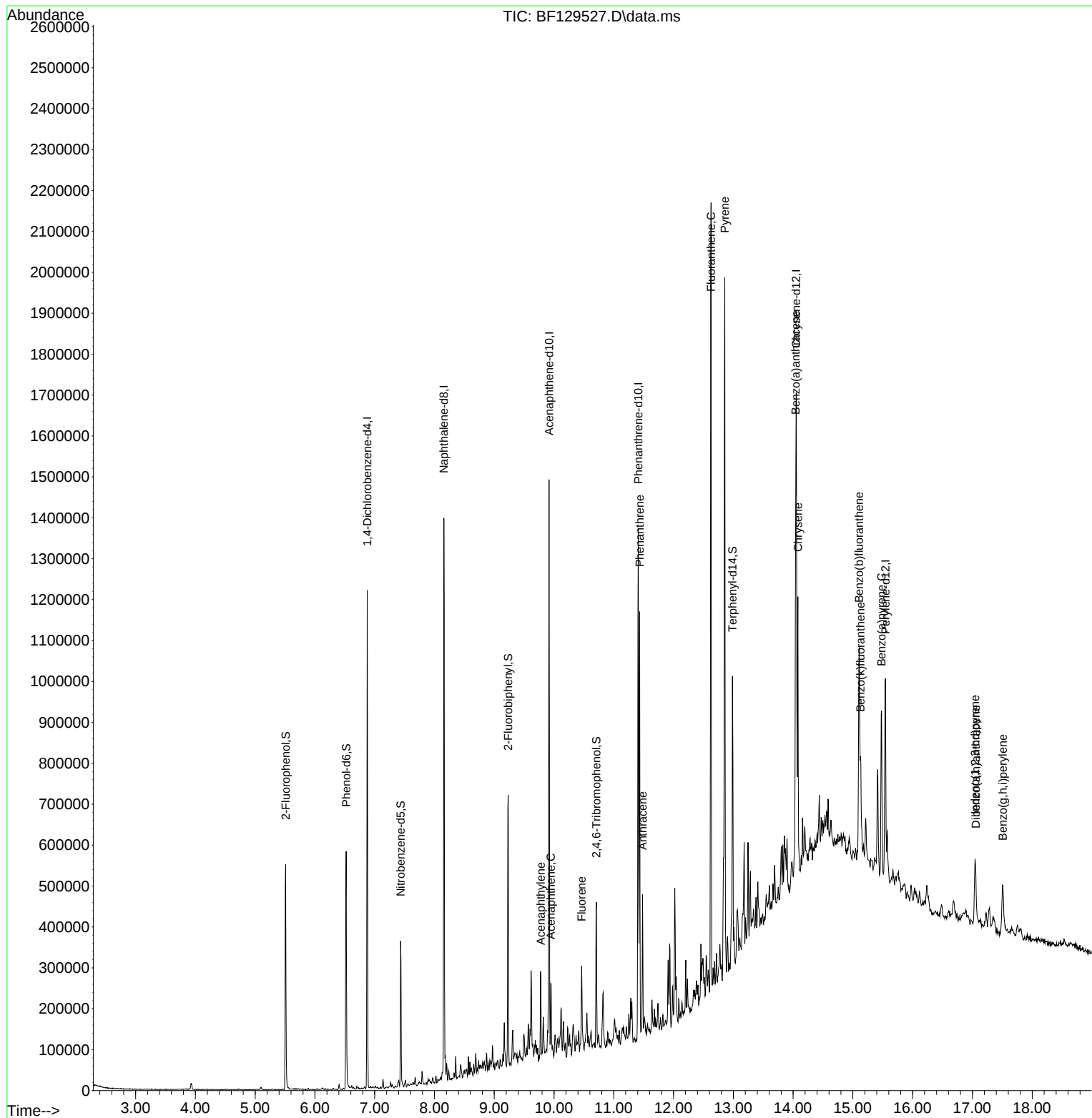
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
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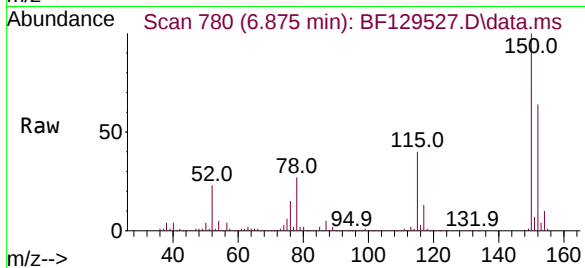
Quant Time: Aug 03 02:32:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 01:11:25 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

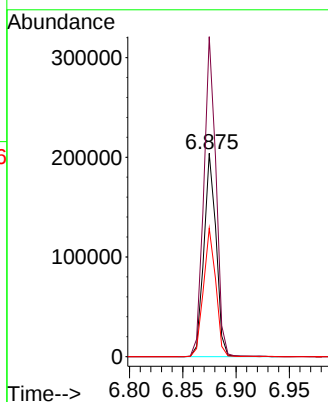
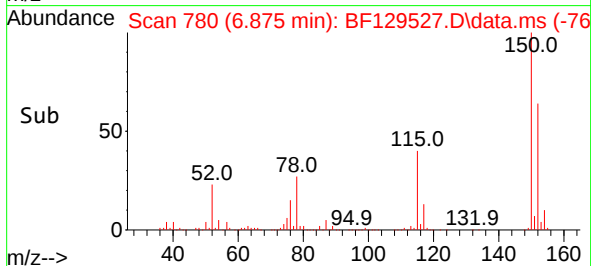
Instrument :
BNA_F
ClientSampleId :
OR-3-072922DL



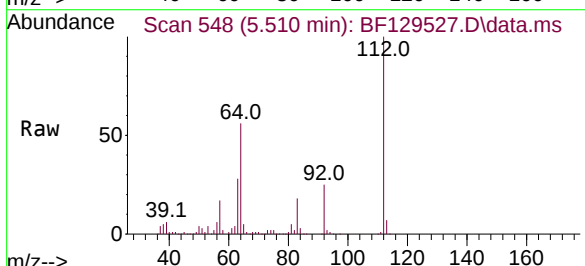
Tgt Ion:152 Resp: 162075
Ion Ratio Lower Upper
152 100
150 157.4 123.7 185.5
115 63.2 49.9 74.9

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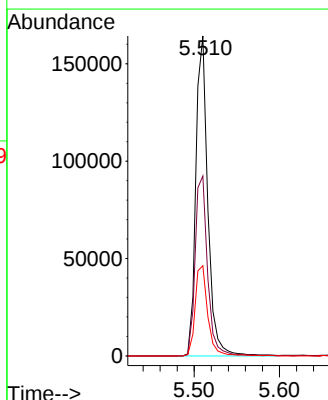
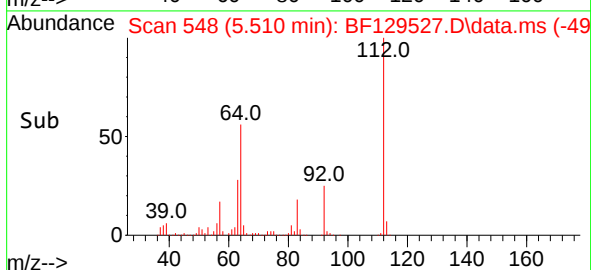
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#5
2-Fluorophenol
Concen: 16.128 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.006 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56



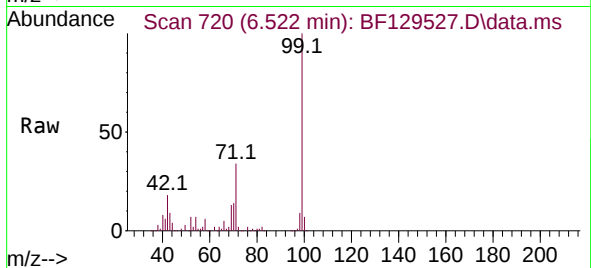
Tgt Ion:112 Resp: 160460
Ion Ratio Lower Upper
112 100
64 56.2 53.3 79.9
63 28.2 28.0 42.0





#7
Phenol-d6
Concen: 15.384 ng
RT: 6.522 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

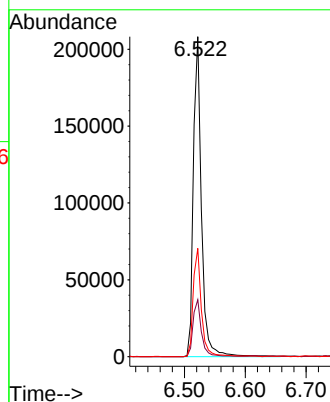
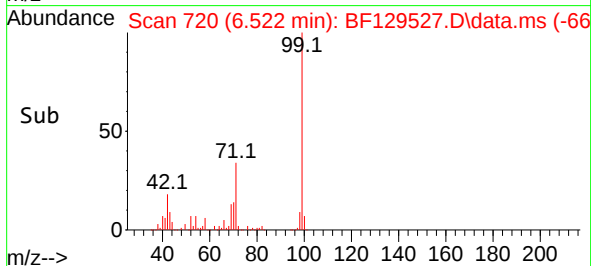
Instrument :
BNA_F
ClientSampleId :
OR-3-072922DL



Tgt Ion: 99 Resp: 192393
Ion Ratio Lower Upper
99 100
42 17.8 17.3 25.9
71 33.8 28.9 43.3

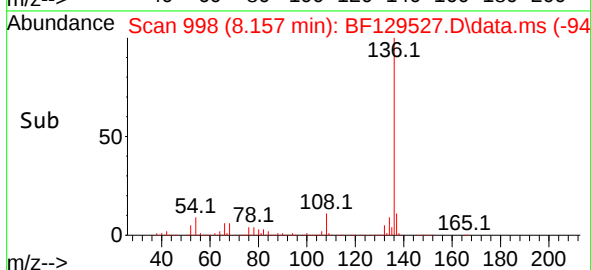
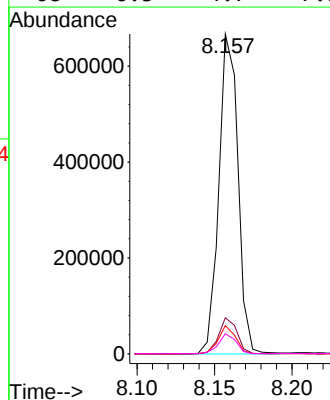
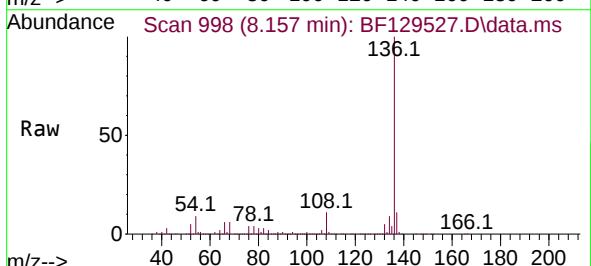
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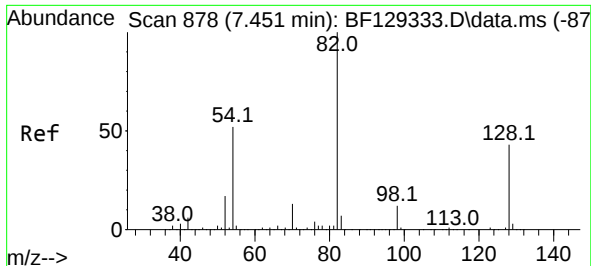
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Tgt Ion:136 Resp: 572894
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.8 7.5 11.3
68 6.3 4.7 7.1





#23

Nitrobenzene-d5

Concen: 10.403 ng

RT: 7.434 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF129527.D

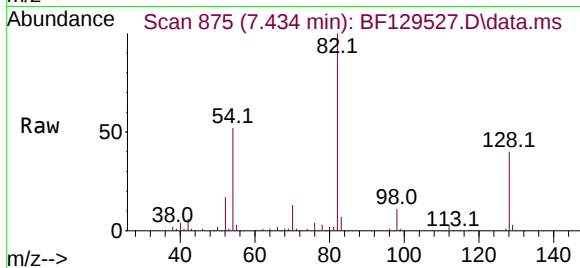
Acq: 03 Aug 2022 01:56

Instrument :

BNA_F

ClientSampleId :

OR-3-072922DL



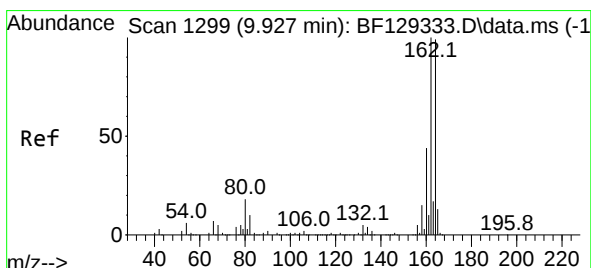
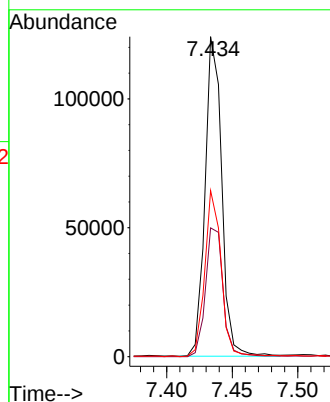
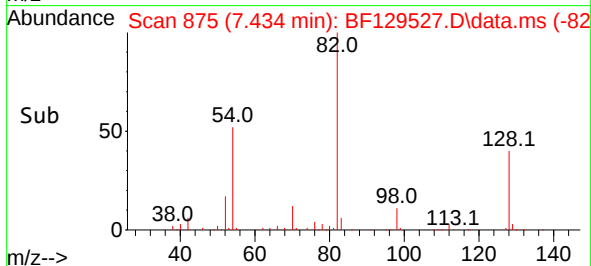
Tgt Ion:	82	Resp:	109175
Ion Ratio	Lower	Upper	
82	100		
128	40.2	34.0	51.0
54	51.9	46.9	70.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

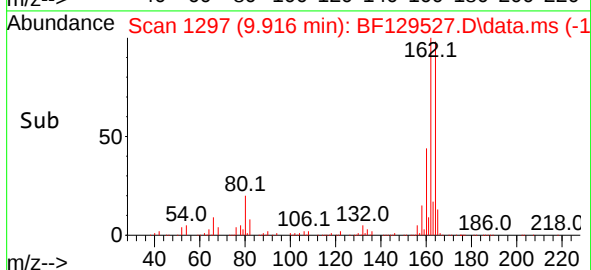
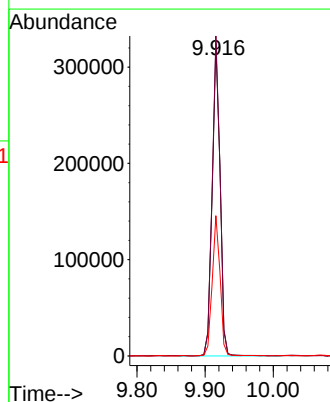
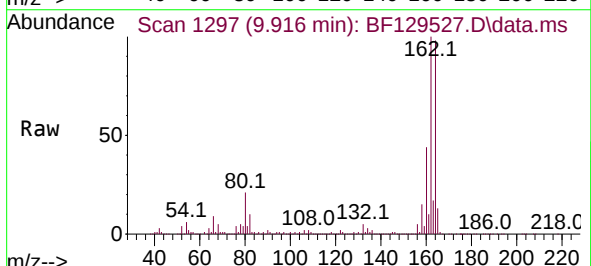
RT: 9.916 min Scan# 1297

Delta R.T. -0.000 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

Tgt Ion:	164	Resp:	262042
Ion Ratio	Lower	Upper	
164	100		
162	102.4	79.5	119.3
160	44.9	34.2	51.4





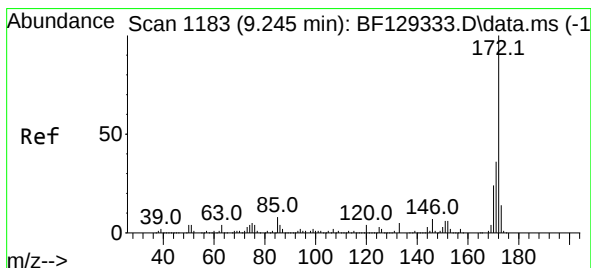
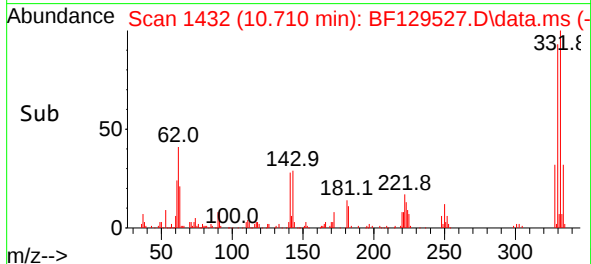
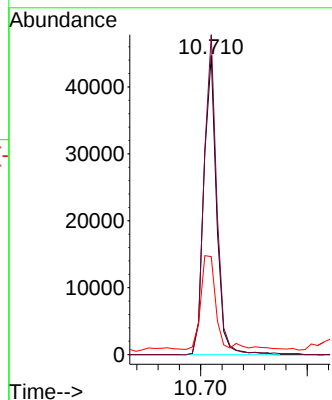
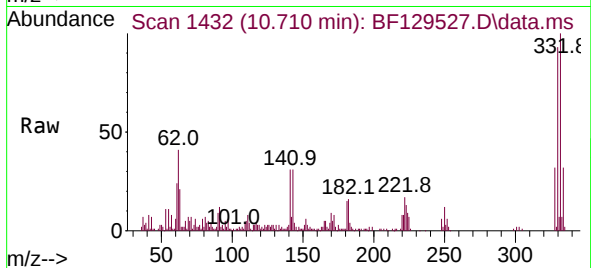
#42
2,4,6-Tribromophenol
Concen: 14.720 ng
RT: 10.710 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Instrument :
BNA_F
ClientSampleId :
OR-3-072922DL

Tgt Ion: 330 Resp: 37084
Ion Ratio Lower Upper
330 100
332 106.4 76.8 115.2
141 35.4 28.0 42.0

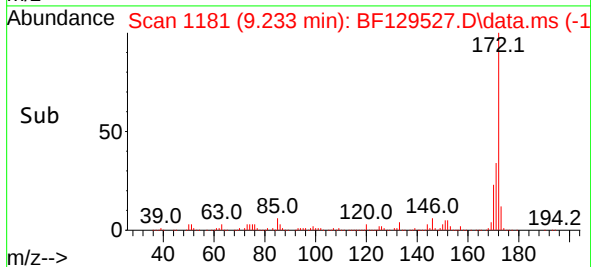
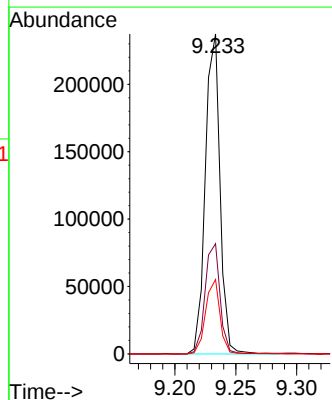
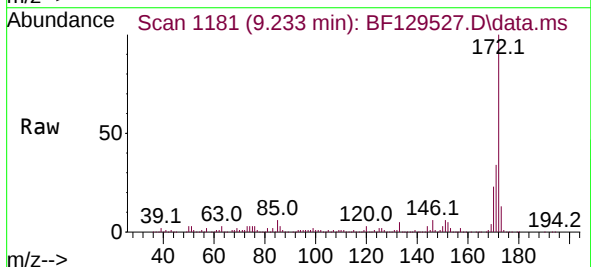
Manual Integrations
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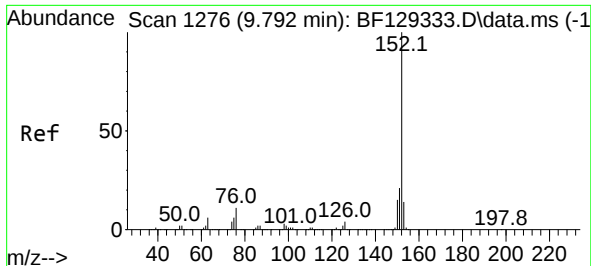
Reviewed By : Christian Giraldo 08/03/2022
Supervised By : Jagrut Upadhyay 08/03/2022



#45
2-Fluorobiphenyl
Concen: 11.803 ng
RT: 9.233 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Tgt Ion: 172 Resp: 199939
Ion Ratio Lower Upper
172 100
171 34.4 28.8 43.2
170 23.2 19.8 29.8





#49

Acenaphthylene

Concen: 2.201 ng

RT: 9.780 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

Instrument :

BNA_F

ClientSampleId :

OR-3-072922DL

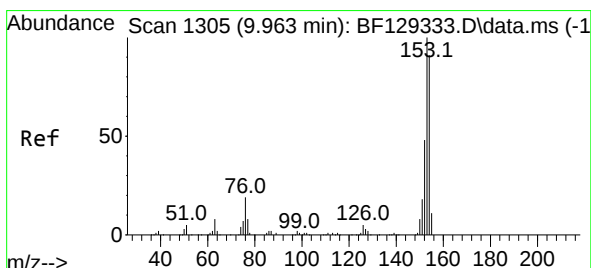
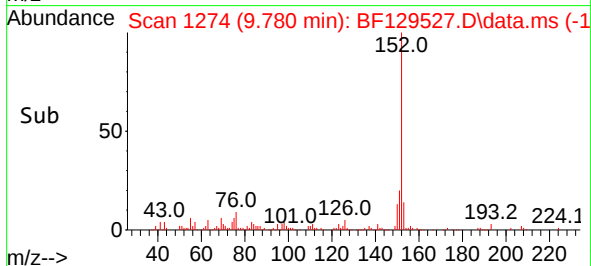
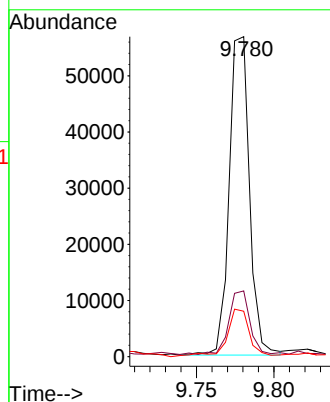
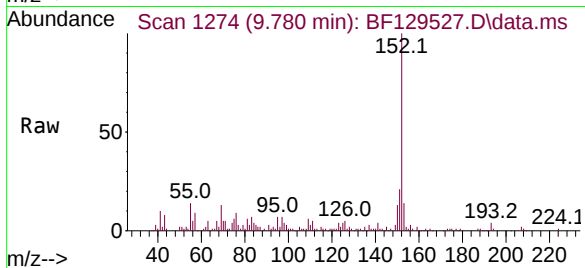
Tgt Ion:	152	Resp:	51701
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.2	24.4
153	14.2	10.7	16.1

Manual Integrations

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Reviewed By :Christian Giraldo 08/03/2022

Supervised By :Jagrut Upadhyay 08/03/2022



#52

Acenaphthene

Concen: 2.122 ng

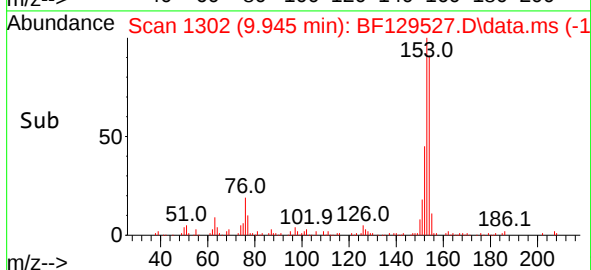
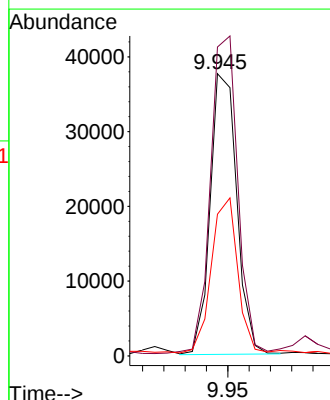
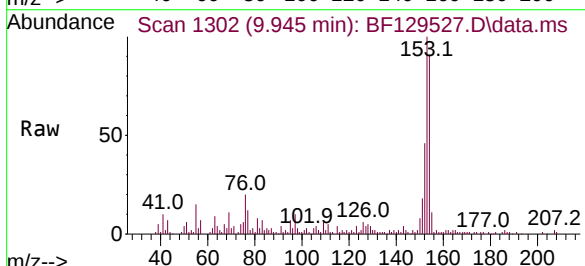
RT: 9.945 min Scan# 1302

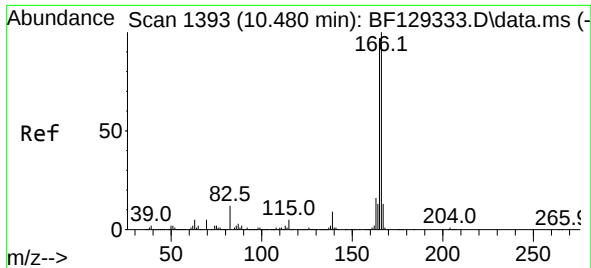
Delta R.T. -0.006 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

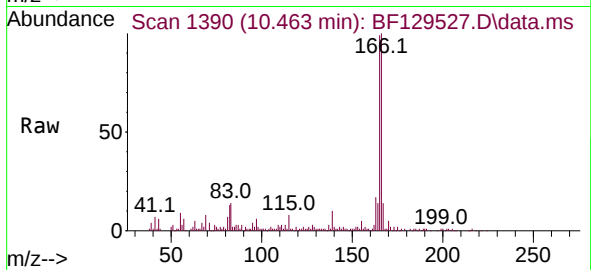
Tgt Ion:	154	Resp:	32554
Ion Ratio	Lower	Upper	
154	100		
153	109.5	89.6	134.4
152	50.2	42.4	63.6





#58
Fluorene
Concen: 2.897 ng
RT: 10.463 min Scan# 1393
Delta R.T. -0.006 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

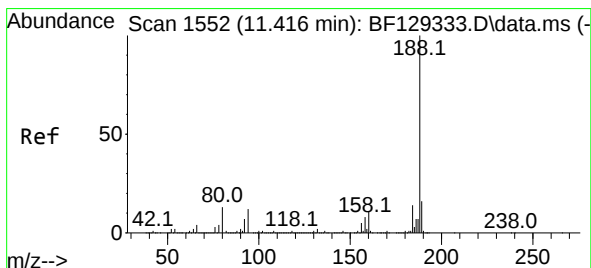
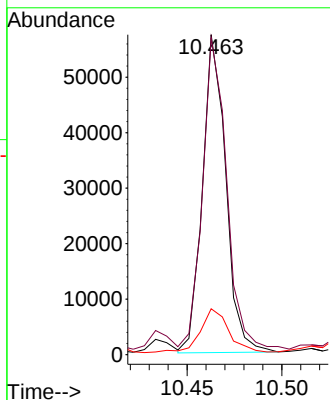
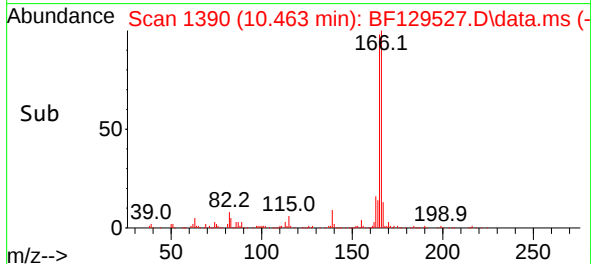
Instrument :
BNA_F
ClientSampleId :
OR-3-072922DL



Tgt Ion:166 Resp: 49033
Ion Ratio Lower Upper
166 100
165 99.0 78.1 117.1
167 14.3 10.5 15.7

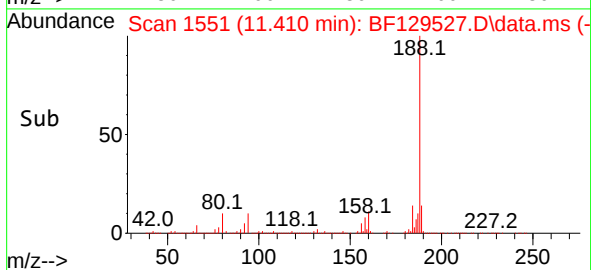
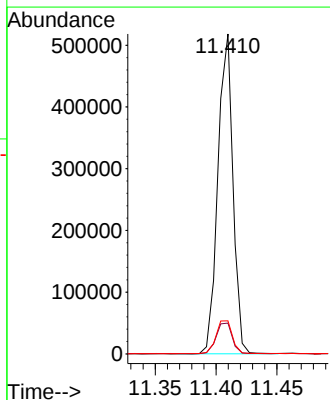
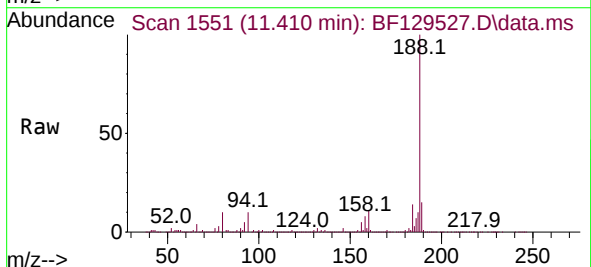
Manual Integrations
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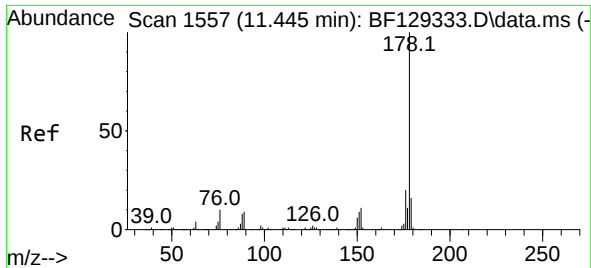
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Tgt Ion:188 Resp: 444512
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.3 7.6 11.4





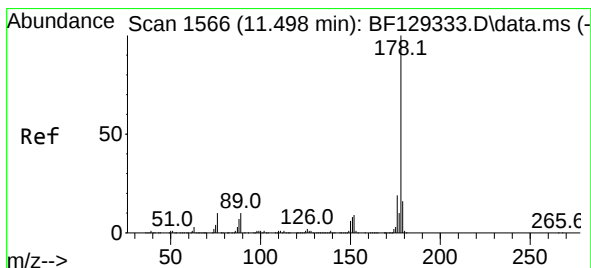
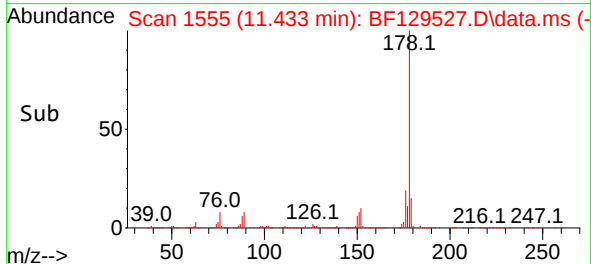
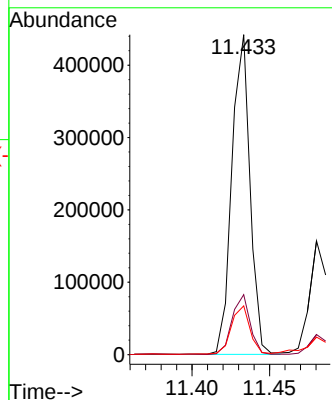
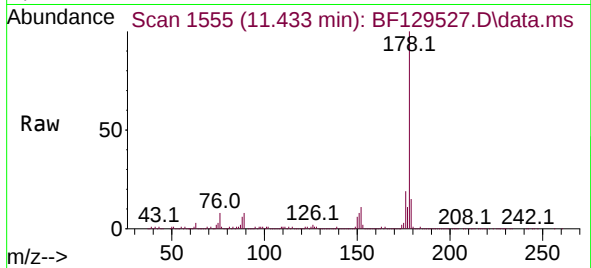
#71
Phenanthrene
Concen: 14.850 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Instrument :
BNA_F
ClientSampleId :
OR-3-072922DL

Tgt Ion:178 Resp: 360322
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.2 12.6 19.0

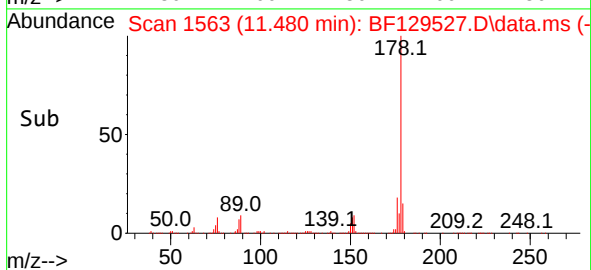
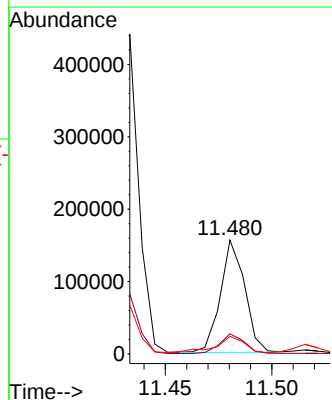
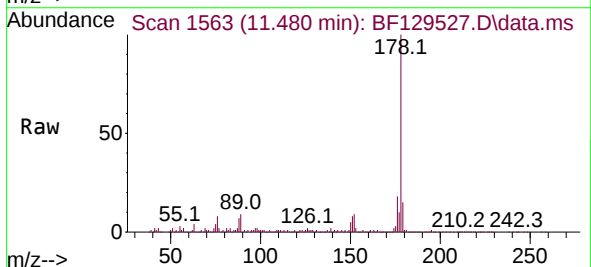
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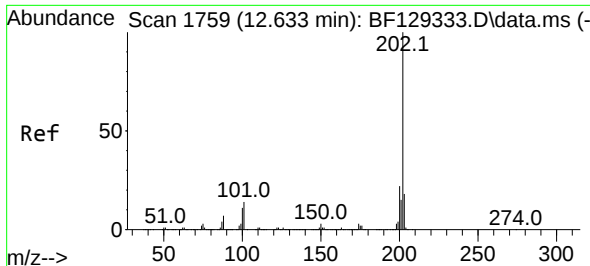
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#72
Anthracene
Concen: 5.200 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

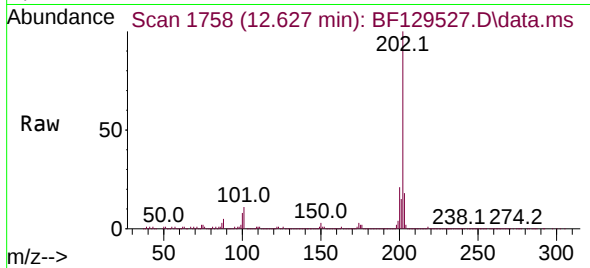
Tgt Ion:178 Resp: 123986
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.2
179 15.3 12.6 19.0





#75
Fluoranthene
Concen: 30.848 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

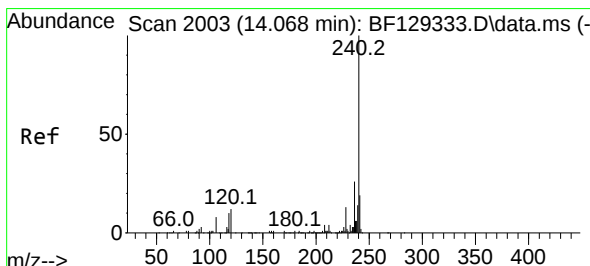
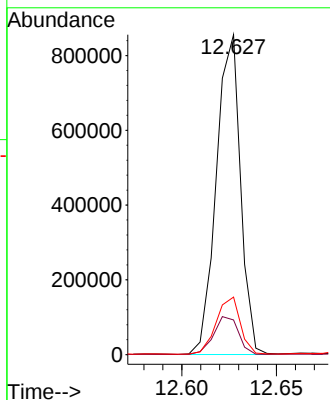
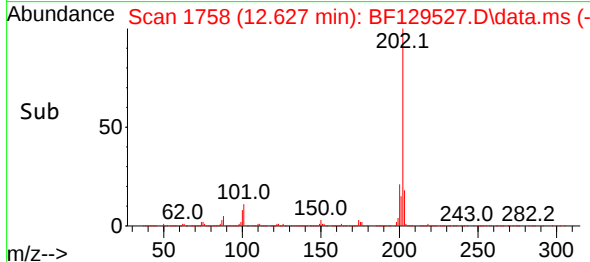
Instrument :
BNA_F
ClientSampleId :
OR-3-072922DL



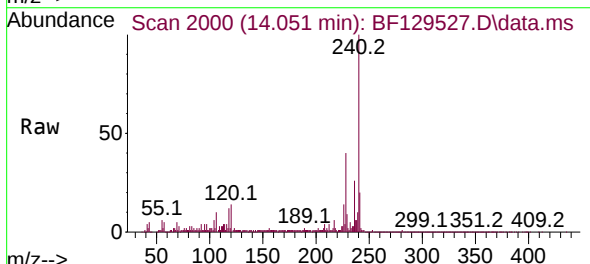
Tgt Ion:202 Resp: 758413
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.4
203 18.0 0.0 38.0

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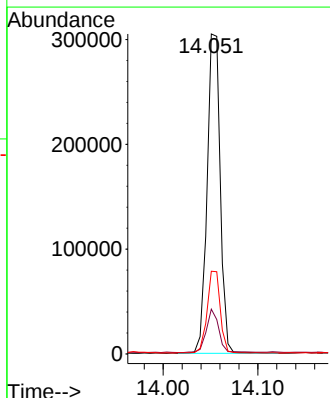
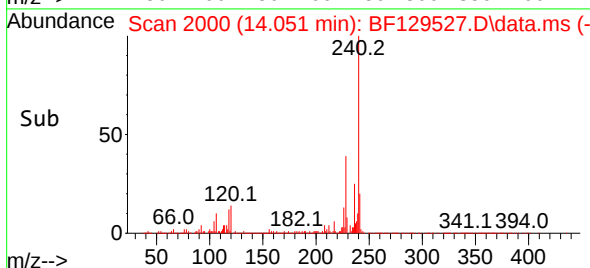
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022

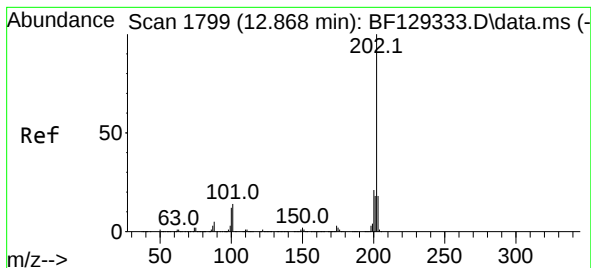


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56



Tgt Ion:240 Resp: 295135
Ion Ratio Lower Upper
240 100
120 14.0 8.9 13.3#
236 25.8 20.8 31.2





#78

Pyrene

Concen: 27.124 ng

RT: 12.857 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

Instrument :

BNA_F

ClientSampleId :

OR-3-072922DL

Tgt Ion:202 Resp: 66941

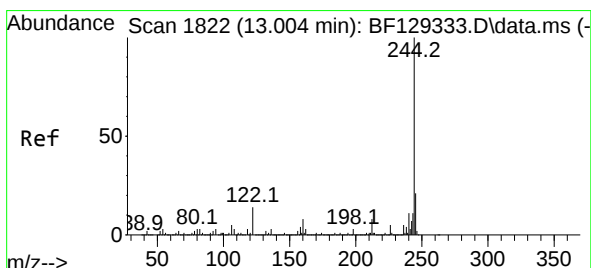
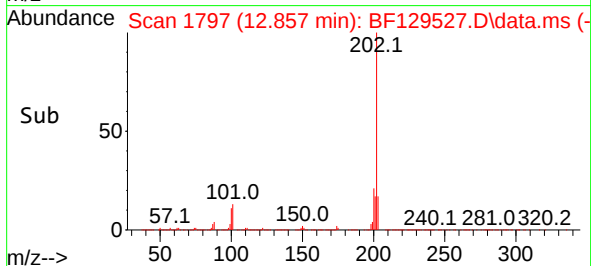
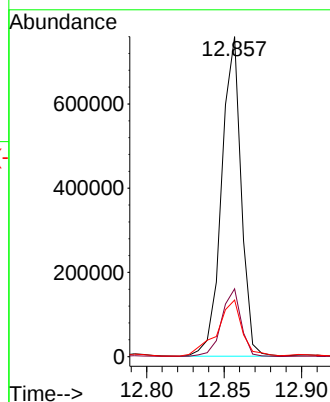
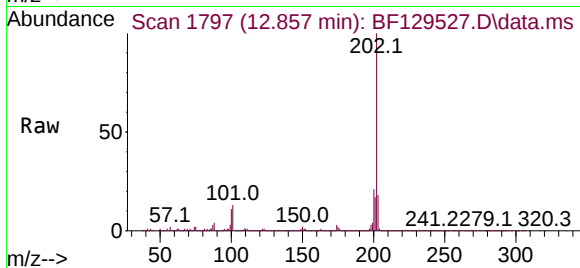
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	17.7	14.6	21.8

Manual Integrations

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Reviewed By :Christian Giraldo 08/03/2022

Supervised By :Jagrut Upadhyay 08/03/2022



#79

Terphenyl-d14

Concen: 13.533 ng

RT: 12.986 min Scan# 1819

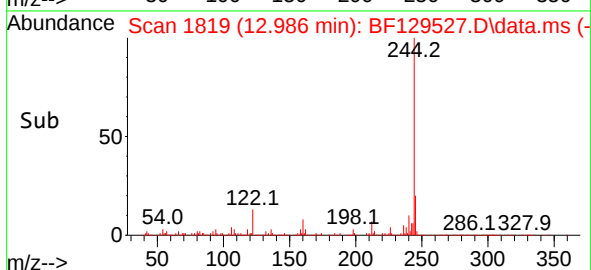
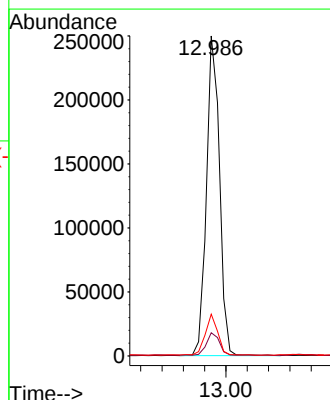
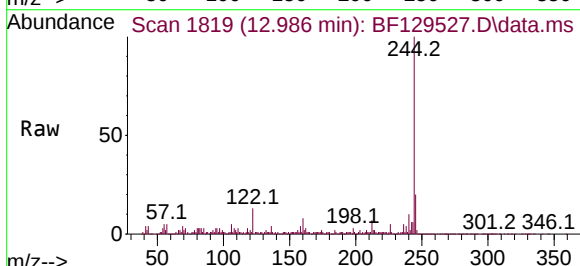
Delta R.T. -0.000 min

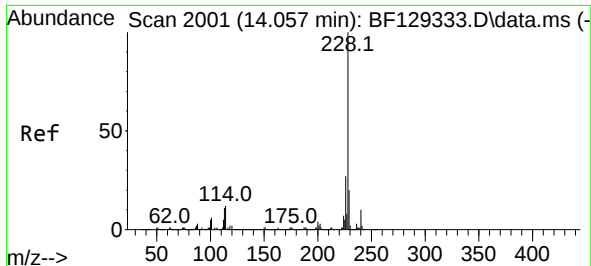
Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

Tgt Ion:244 Resp: 211715

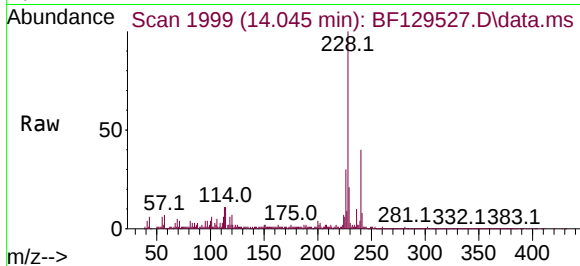
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	13.0	8.8	13.2





#81
Benzo(a)anthracene
Concen: 14.053 ng
RT: 14.045 min Scan# 19
Delta R.T. 0.006 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

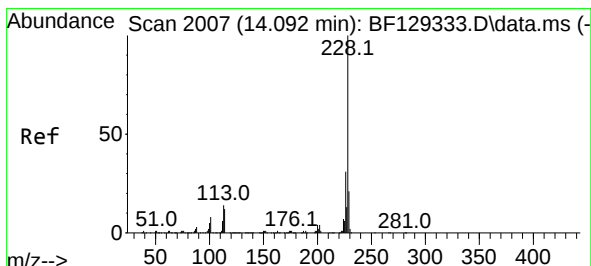
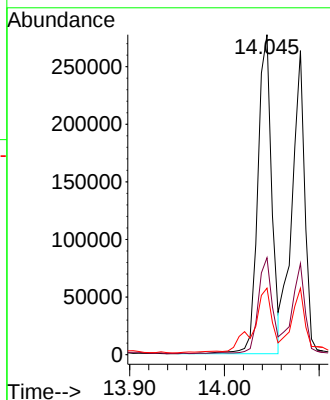
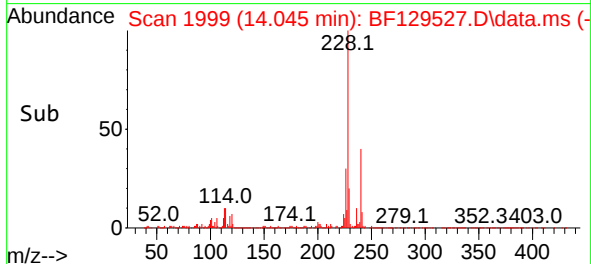
Instrument :
BNA_F
ClientSampleId :
OR-3-072922DL



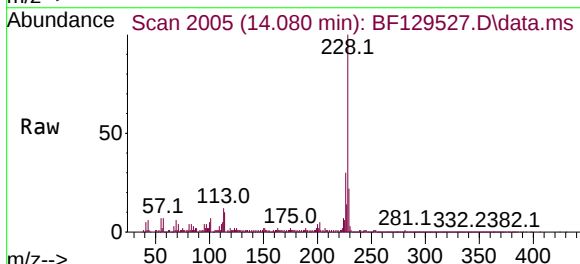
Tgt Ion:228 Resp: 283316
Ion Ratio Lower Upper
228 100
226 30.3 22.1 33.1
229 20.8 15.8 23.8

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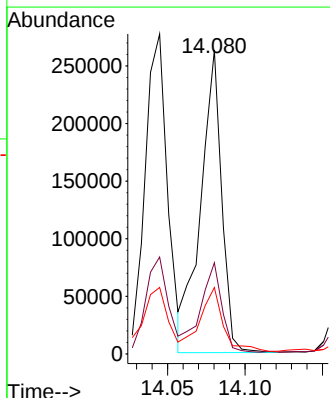
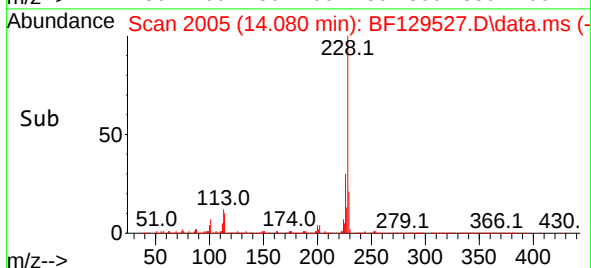
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022

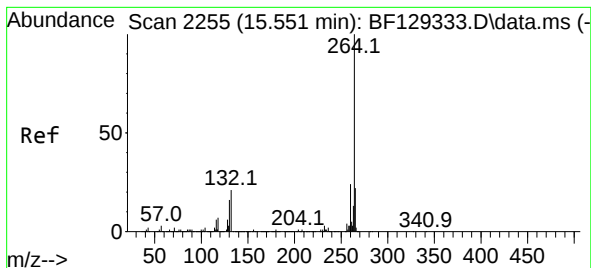


#83
Chrysene
Concen: 13.079 ng
RT: 14.080 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56



Tgt Ion:228 Resp: 248504
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.8 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

Instrument :

BNA_F

ClientSampleId :

OR-3-072922DL

Tgt Ion:264 Resp: 220433

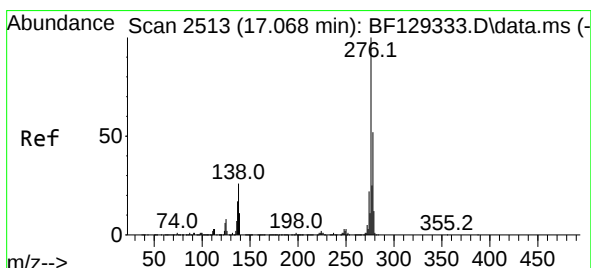
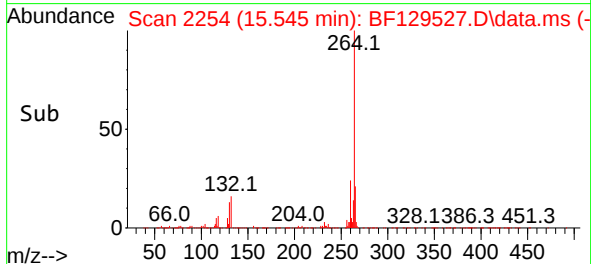
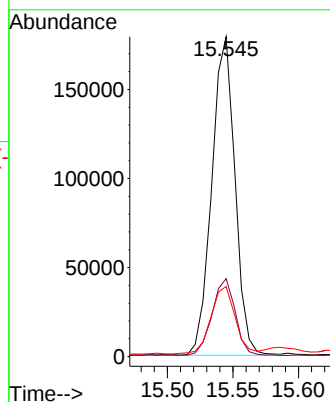
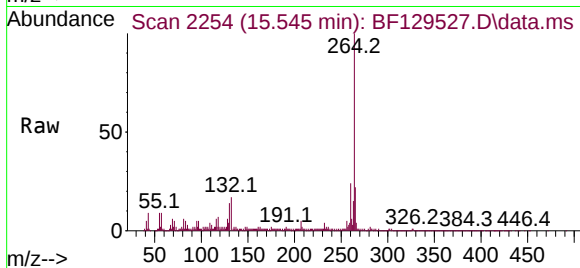
Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.4	27.6
265	21.9	17.2	25.8

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: 7.536 ng

RT: 17.045 min Scan# 2509

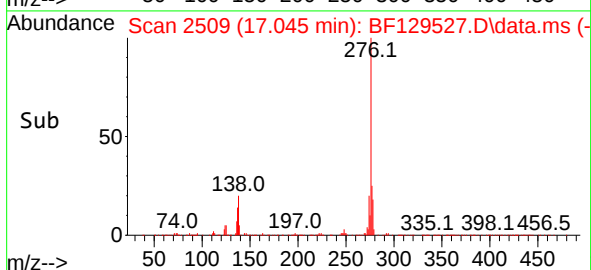
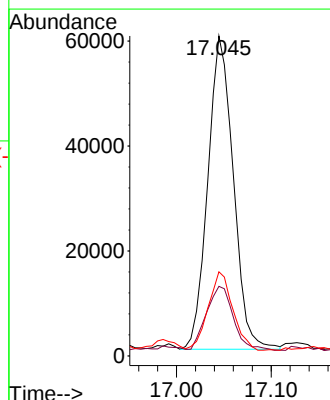
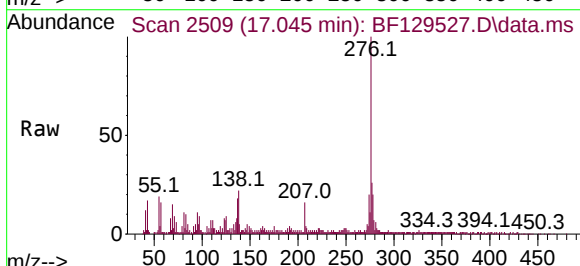
Delta R.T. 0.012 min

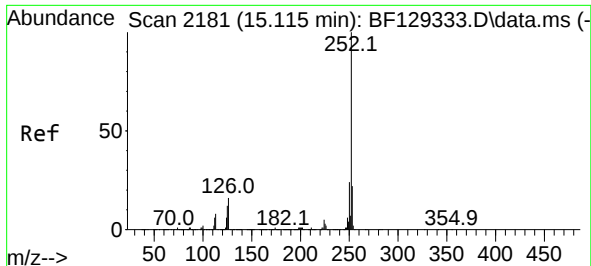
Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

Tgt Ion:276 Resp: 111865

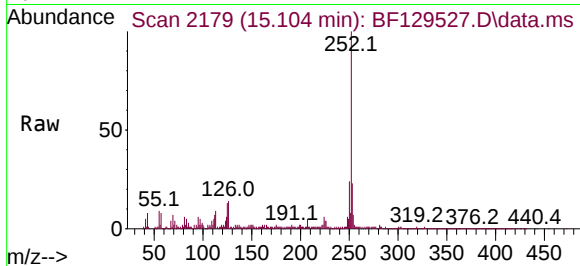
Ion	Ratio	Lower	Upper
276	100		
138	22.4	21.1	31.7
277	24.1	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 18.852 ng m
RT: 15.104 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

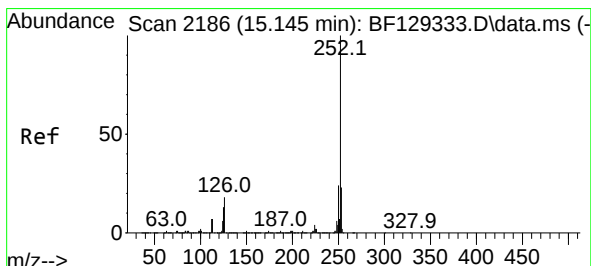
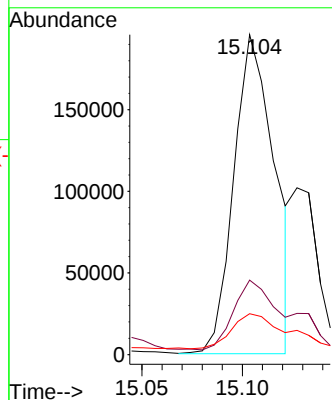
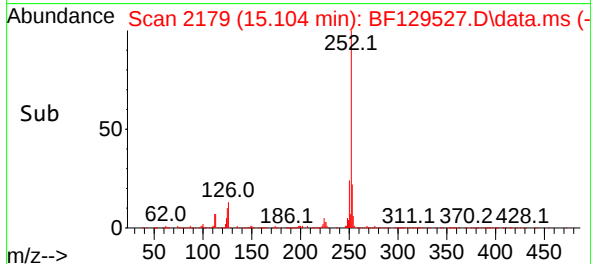
Instrument :
BNA_F
ClientSampleId :
OR-3-072922DL



Tgt Ion:252 Resp: 275656
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 12.8 8.0 12.0

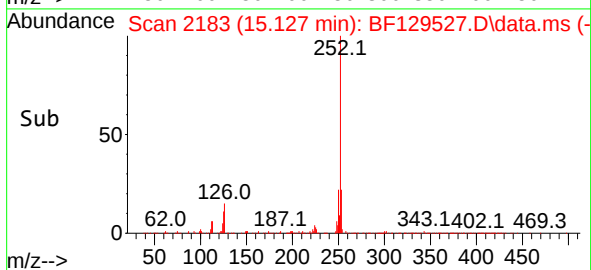
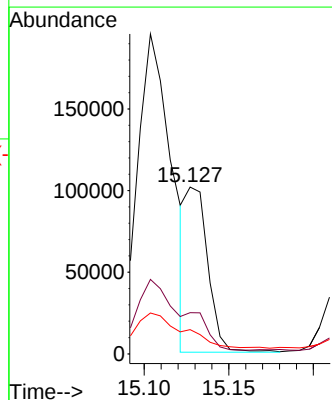
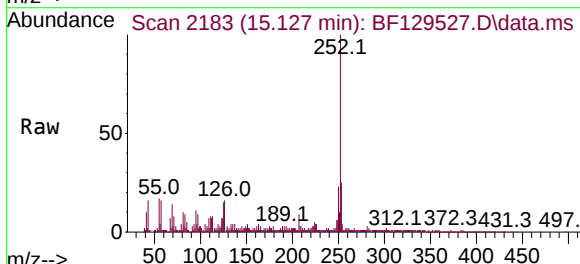
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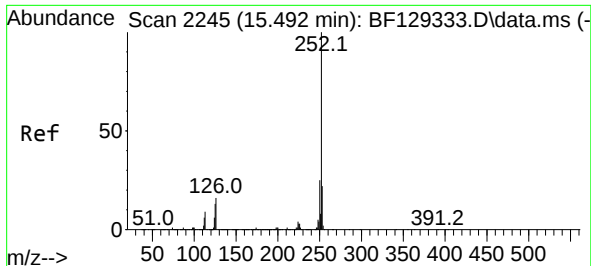
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#89
Benzo(k)fluoranthene
Concen: 6.336 ng m
RT: 15.127 min Scan# 2183
Delta R.T. 0.006 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Tgt Ion:252 Resp: 90790
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 14.5 8.3 12.5





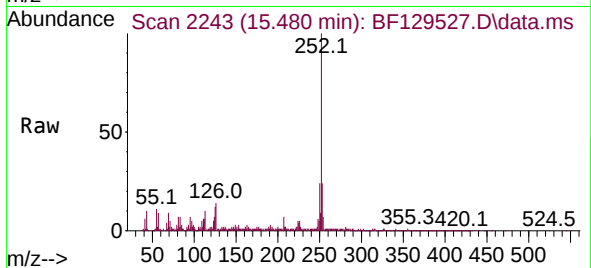
#90
Benzo(a)pyrene
Concen: 15.744 ng
RT: 15.480 min Scan# 2111
Delta R.T. 0.012 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Instrument :

BNA_F

ClientSampleId :

OR-3-072922DL

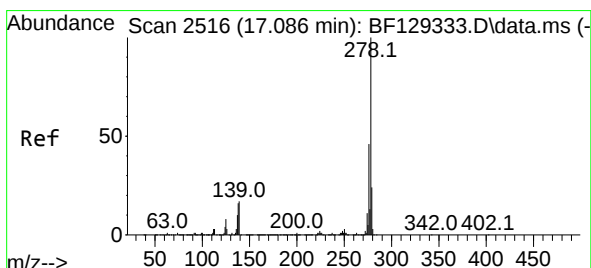
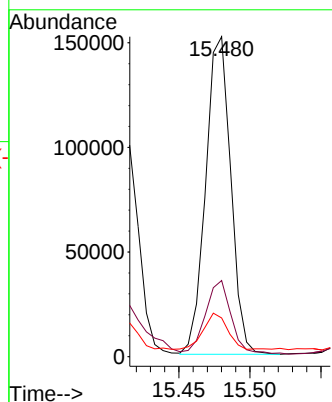
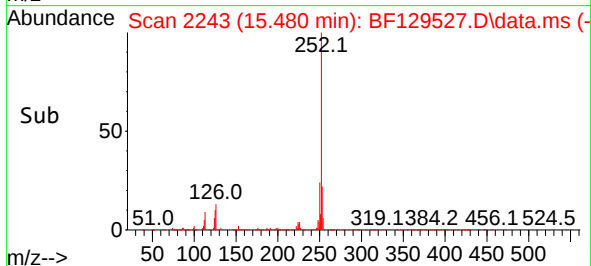


Tgt Ion:252 Resp: 186875
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 12.1 8.8 13.2

Manual Integrations

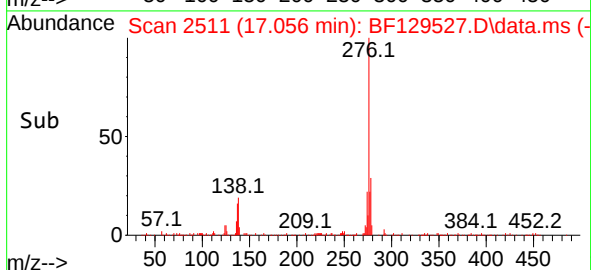
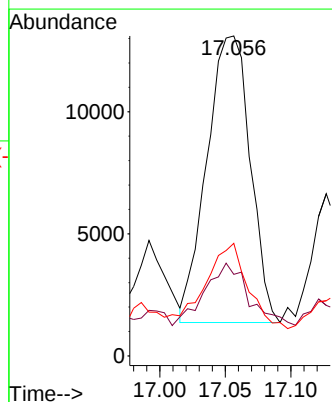
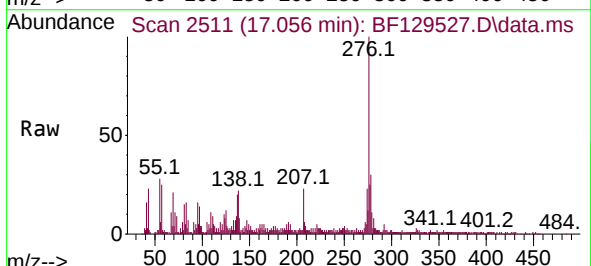
APPROVED

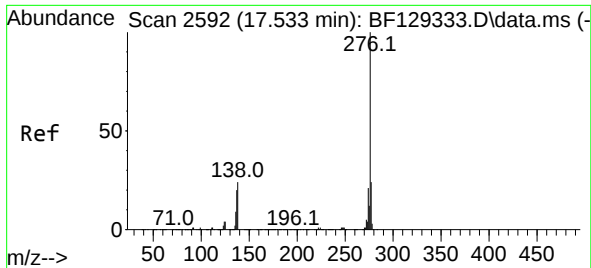
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.238 ng
RT: 17.056 min Scan# 2511
Delta R.T. 0.012 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Tgt Ion:278 Resp: 27035
Ion Ratio Lower Upper
278 100
139 25.5 12.8 19.2#
279 35.2 18.6 28.0#





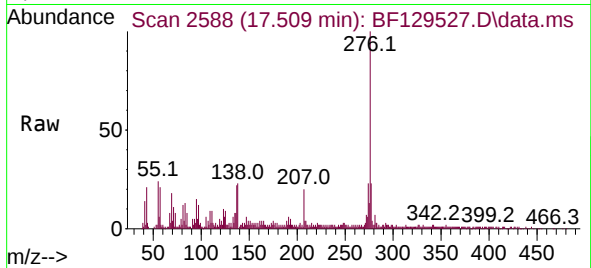
#92
 Benzo(g,h,i)perylene
 Concen: 8.218 ng
 RT: 17.509 min Scan# 2588
 Delta R.T. 0.018 min
 Lab File: BF129527.D
 Acq: 03 Aug 2022 01:56

Instrument :

BNA_F

ClientSampleId :

OR-3-072922DL



Tgt Ion:	276	Resp:	101458
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.1	28.7
138	22.7	18.0	27.0

Manual Integrations

APPROVED

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

