

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081022\
 Data File : BF129704.D
 Acq On : 10 Aug 2022 19:52
 Operator : CG\JU
 Sample : N4127-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080922

Quant Time: Aug 10 21:36:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 15:26:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 08/11/2022
 Supervised By : Jagrut Upadhyay 08/11/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	158848	20.000	ng	-0.02
21) Naphthalene-d8	8.116	136	600500	20.000	ng	-0.02
39) Acenaphthene-d10	9.875	164	274082	20.000	ng	-0.02
64) Phenanthrene-d10	11.363	188	370847	20.000	ng	-0.02
76) Chrysene-d12	14.016	240	265443	20.000	ng	-0.01
86) Perylene-d12	15.486	264	235233	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1128502	115.729	ng	0.00
7) Phenol-d6	6.493	99	1380711	112.649	ng	-0.01
23) Nitrobenzene-d5	7.404	82	884514	80.407	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	265825	100.879	ng	-0.02
45) 2-Fluorobiphenyl	9.192	172	1516486	85.592	ng	-0.02
79) Terphenyl-d14	12.951	244	1070794	76.104	ng	-0.02
Target Compounds					Qvalue	
49) Acenaphthylene	9.734	152	116940	4.759	ng	98
71) Phenanthrene	11.386	178	242790	11.993	ng	98
72) Anthracene	11.439	178	102272	5.141	ng	98
75) Fluoranthene	12.580	202	745772	36.359	ng	99
78) Pyrene	12.810	202	706048	31.808	ng	99
81) Benzo(a)anthracene	14.004	228	446078	24.601	ng	95
83) Chrysene	14.039	228	409147	23.942	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	175643	11.088	ng	95
88) Benzo(b)fluoranthene	15.057	252	516325m	33.090	ng	
89) Benzo(k)fluoranthene	15.080	252	178208m	11.654	ng	
90) Benzo(a)pyrene	15.427	252	354457	27.983	ng	98
91) Dibenzo(a,h)anthracene	16.974	278	48417	3.755	ng	# 79
92) Benzo(g,h,i)perylene	17.421	276	150946	11.457	ng	99

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

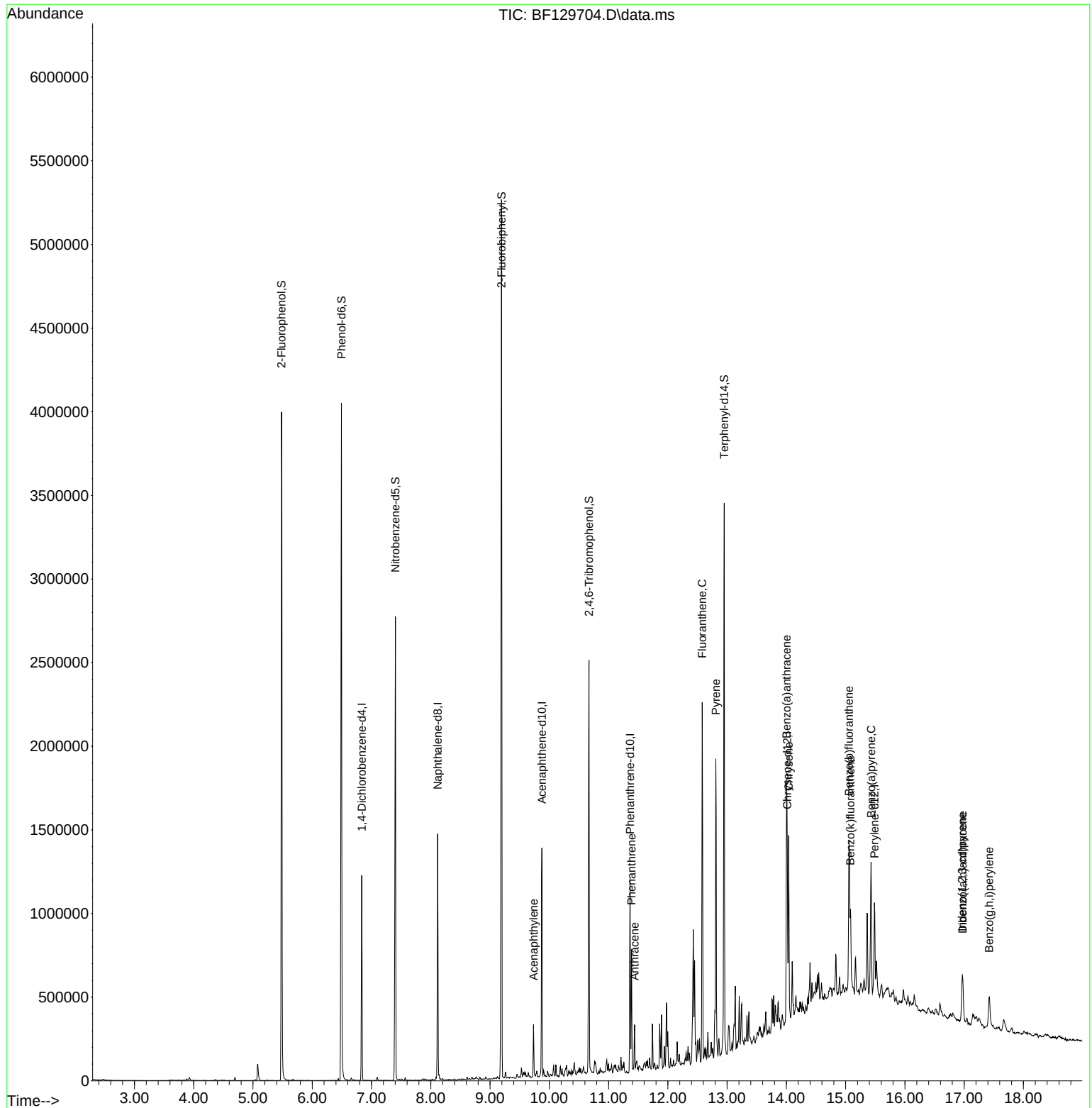
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081022\
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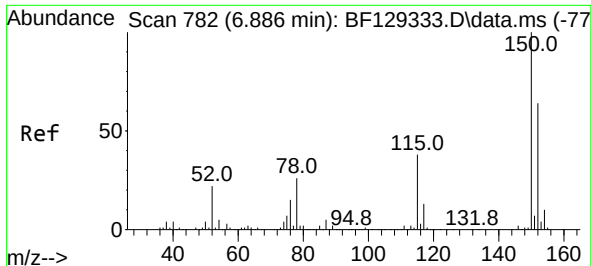
Instrument :
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SU-04-080922

Quant Time: Aug 10 21:36:09 2022
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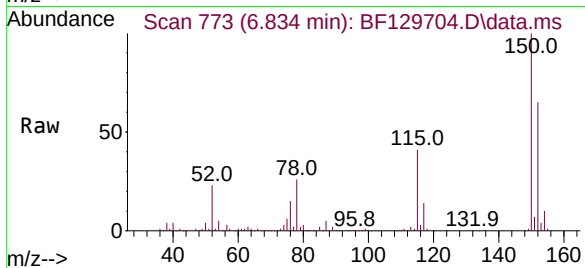
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

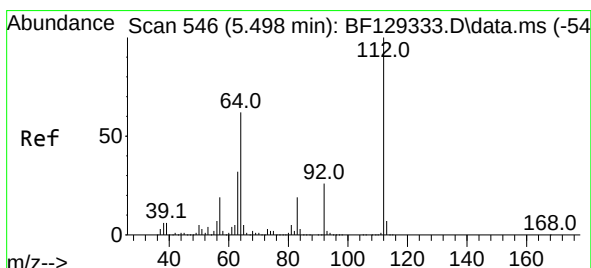
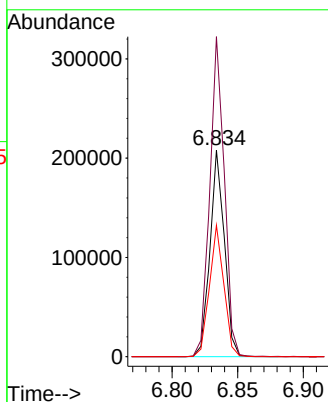
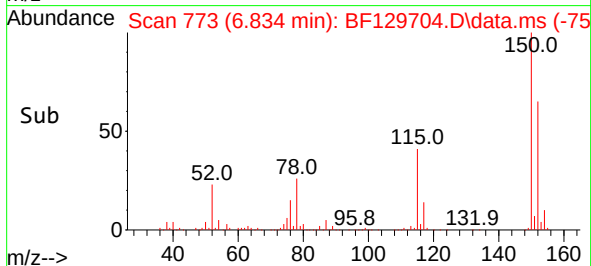
Instrument :
BNA_F
ClientSampleId :
SU-04-080922



Tgt Ion:152 Resp: 158848
Ion Ratio Lower Upper
152 100
150 155.0 123.7 185.5
115 63.6 49.9 74.9

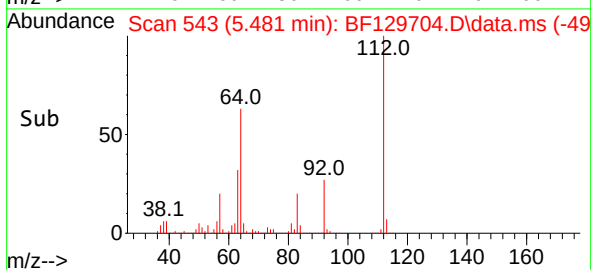
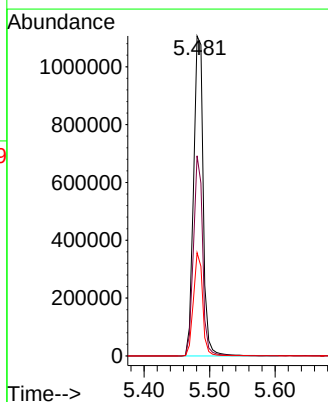
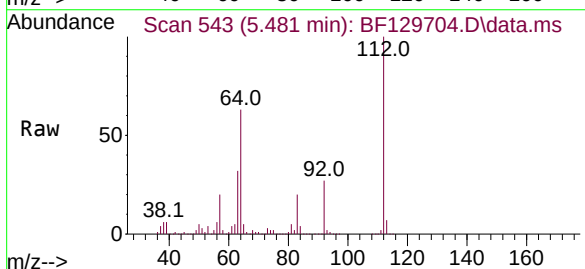
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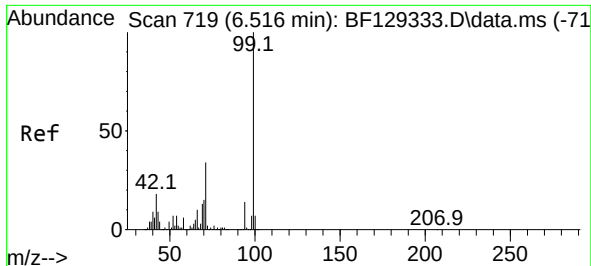
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#5
2-Fluorophenol
Concen: 115.729 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.000 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

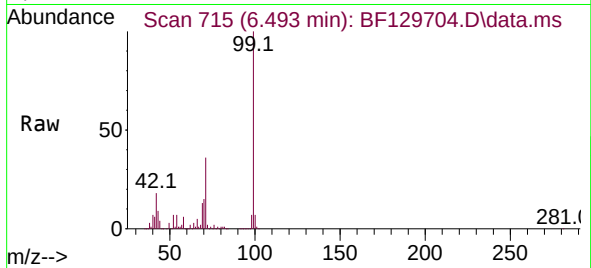
Tgt Ion:112 Resp: 1128502
Ion Ratio Lower Upper
112 100
64 62.5 53.3 79.9
63 32.2 28.0 42.0





#7
Phenol-d6
Concen: 112.649 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

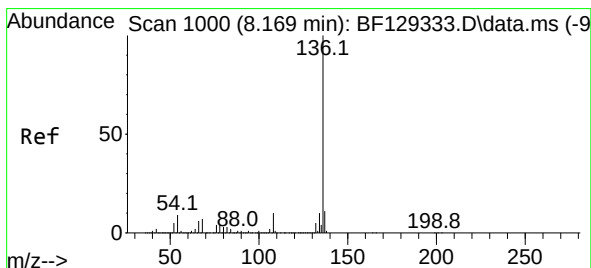
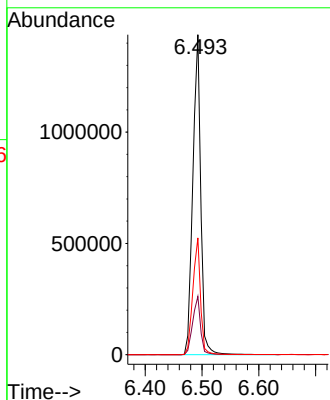
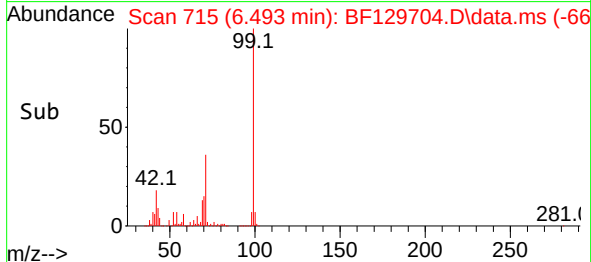
Instrument :
BNA_F
ClientSampleId :
SU-04-080922



Tgt Ion: 99 Resp: 138071
Ion Ratio Lower Upper
99 100
42 18.2 17.3 25.9
71 36.5 28.9 43.3

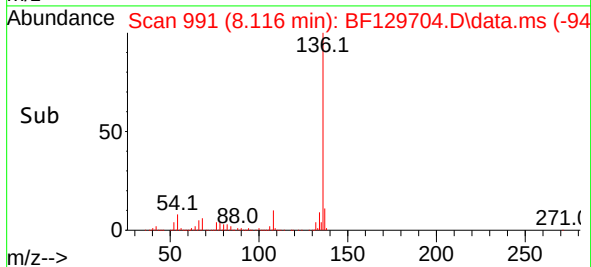
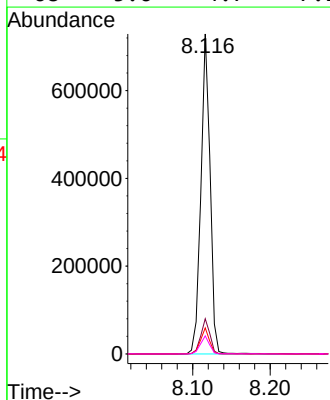
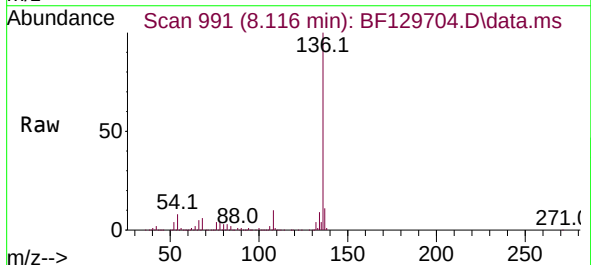
Manual Integrations
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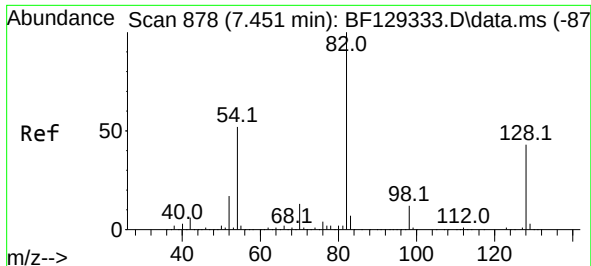
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 991
Delta R.T. -0.018 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

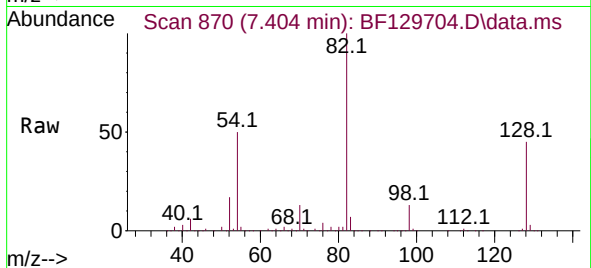
Tgt Ion:136 Resp: 600500
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.1 7.5 11.3
68 5.6 4.7 7.1





#23
Nitrobenzene-d5
Concen: 80.407 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

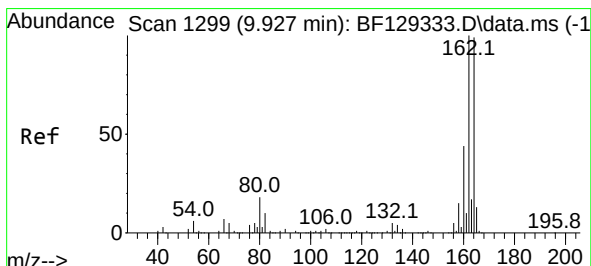
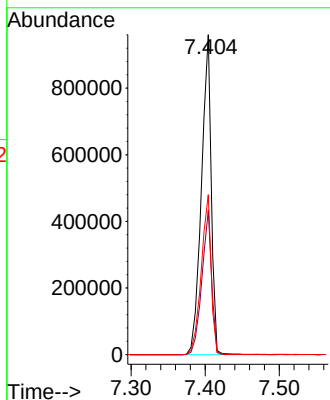
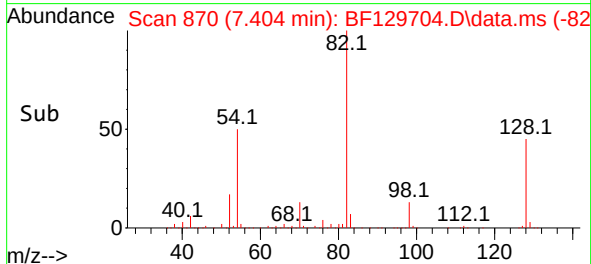
Instrument :
BNA_F
ClientSampleId :
SU-04-080922



Tgt Ion: 82 Resp: 884514
Ion Ratio Lower Upper
82 100
128 45.0 34.0 51.0
54 50.0 46.9 70.3

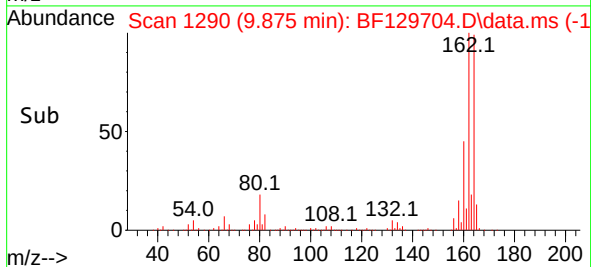
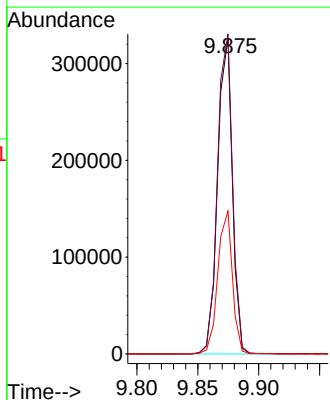
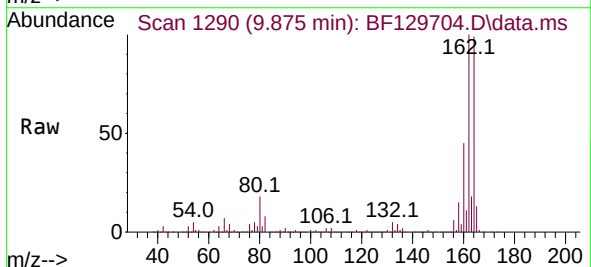
Manual Integrations
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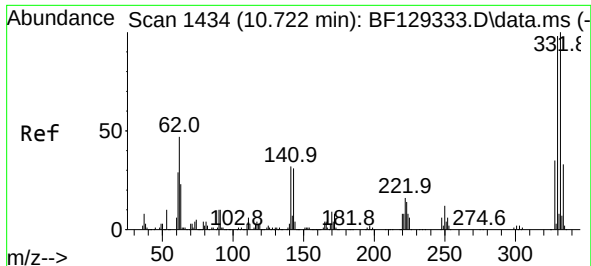
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1290
Delta R.T. -0.018 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Tgt Ion:164 Resp: 274082
Ion Ratio Lower Upper
164 100
162 101.3 79.5 119.3
160 45.2 34.2 51.4





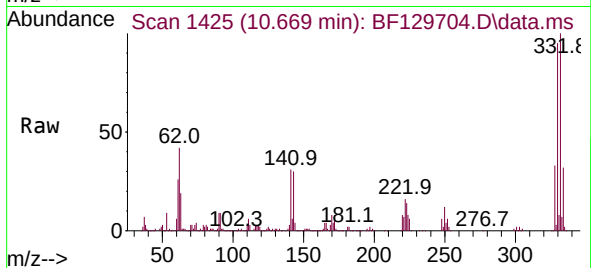
#42
2,4,6-Tribromophenol
Concen: 100.879 ng
RT: 10.669 min Scan# 1434
Delta R.T. -0.018 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Instrument :

BNA_F

ClientSampleId :

SU-04-080922

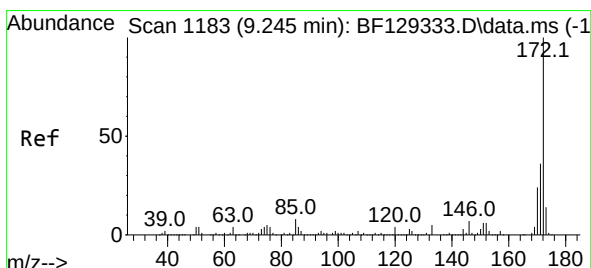
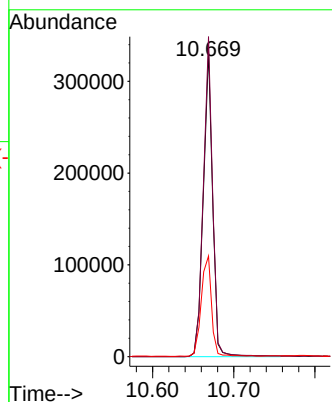
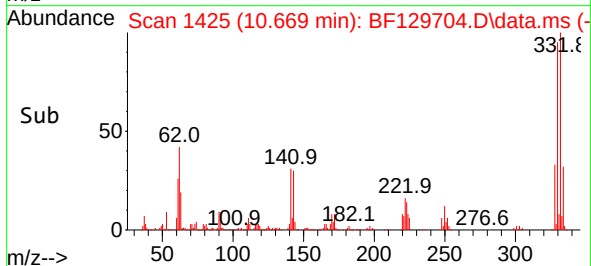


Tgt Ion: 330 Resp: 265825
Ion Ratio Lower Upper
330 100
332 104.6 76.8 115.2
141 36.2 28.0 42.0

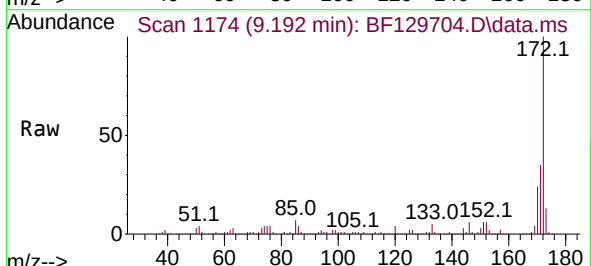
Manual Integrations

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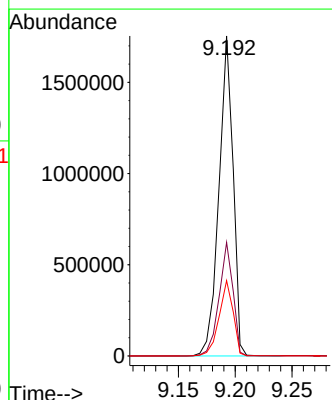
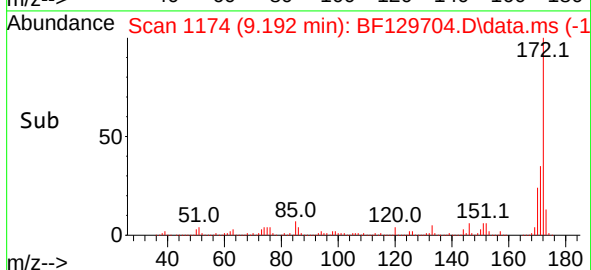
Reviewed By : Christian Giraldo 08/11/2022
Supervised By : Jagrut Upadhyay 08/11/2022

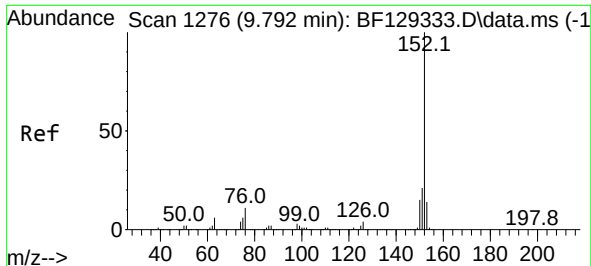


#45
2-Fluorobiphenyl
Concen: 85.592 ng
RT: 9.192 min Scan# 1174
Delta R.T. -0.018 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52



Tgt Ion: 172 Resp: 1516486
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.5 19.8 29.8





#49

Acenaphthylene

Concen: 4.759 ng

RT: 9.734 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

Instrument :

BNA_F

ClientSampleId :

SU-04-080922

Tgt Ion:152 Resp: 116940

Ion Ratio Lower Upper

152 100

151 18.6 16.2 24.4

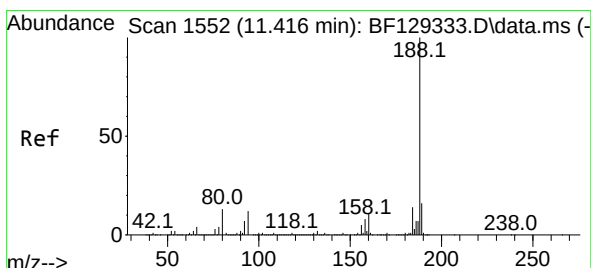
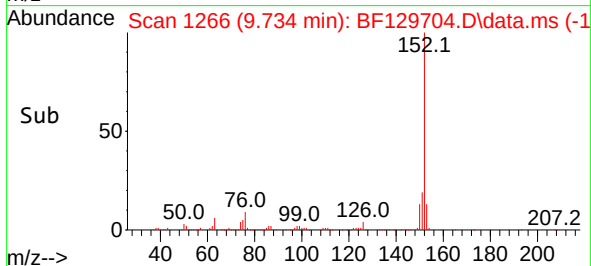
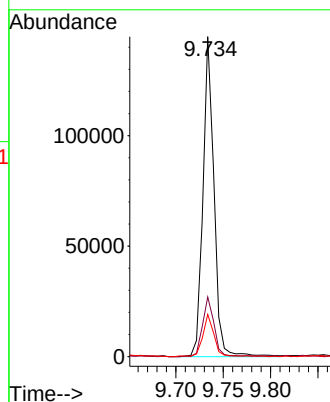
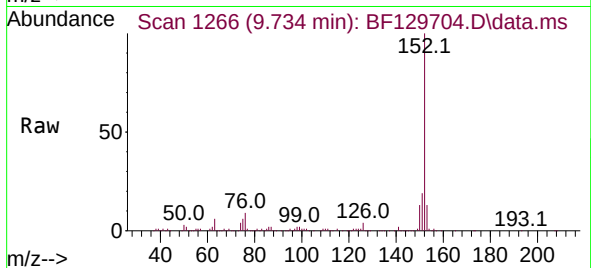
153 13.2 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/11/2022

Supervised By :Jagrut Upadhyay 08/11/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1543

Delta R.T. -0.018 min

Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

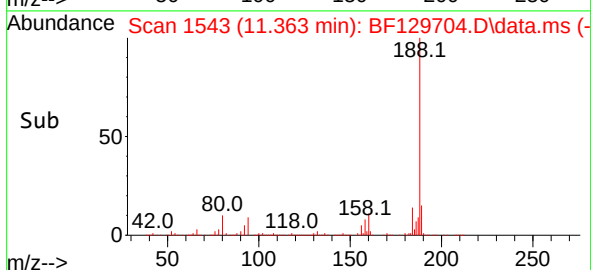
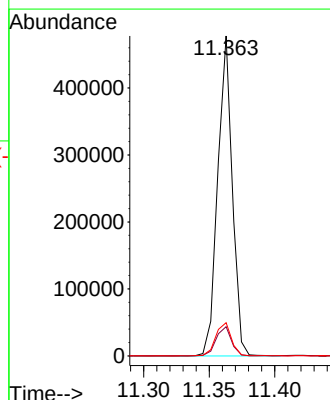
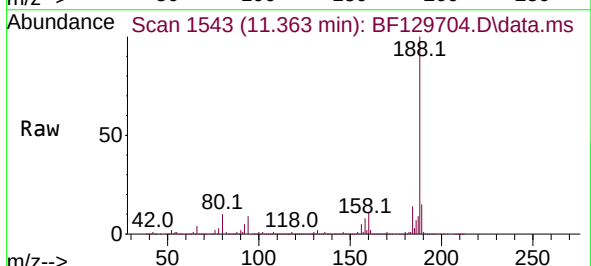
Tgt Ion:188 Resp: 370847

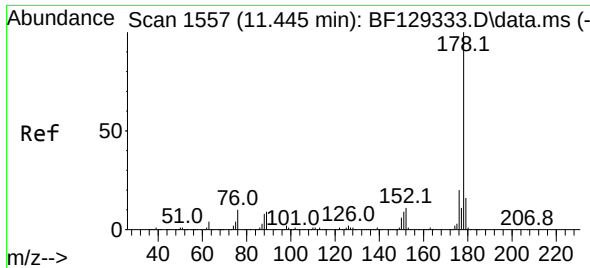
Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.6

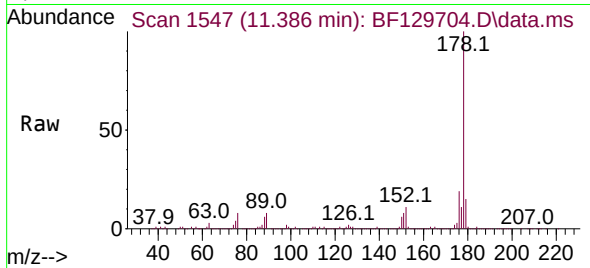
80 10.4 7.6 11.4





#71
Phenanthrene
Concen: 11.993 ng
RT: 11.386 min Scan# 11556
Delta R.T. -0.023 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

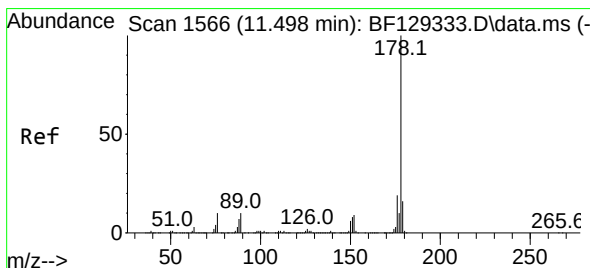
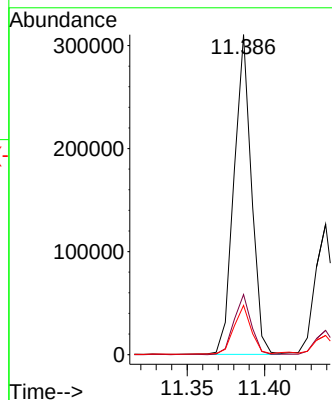
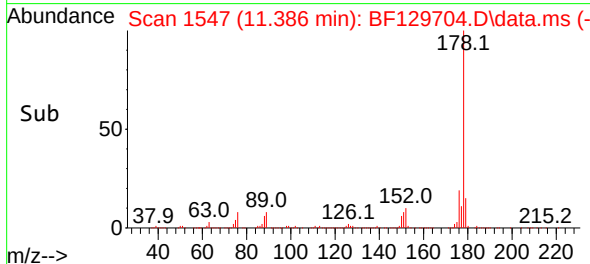
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ClientSampleId :
SU-04-080922



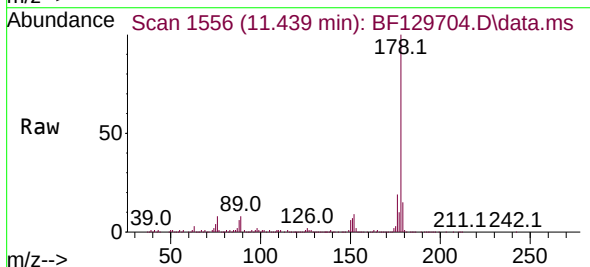
Tgt Ion:178 Resp: 242790
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 15.4 12.6 19.0

Manual Integrations
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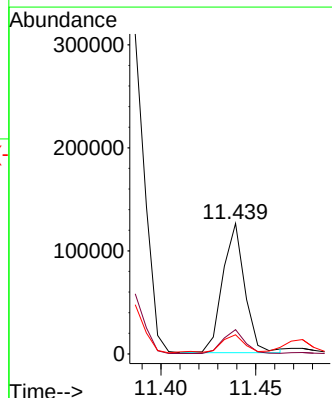
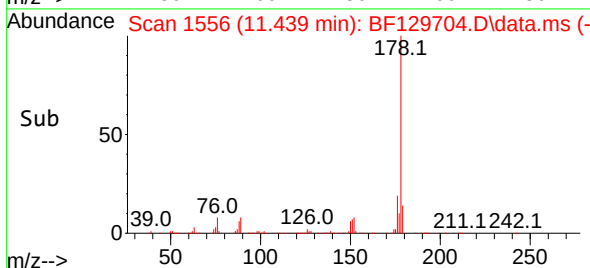
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

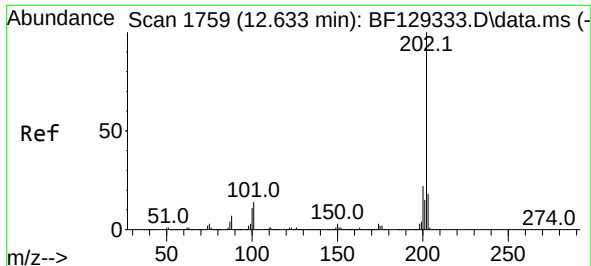


#72
Anthracene
Concen: 5.141 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.023 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52



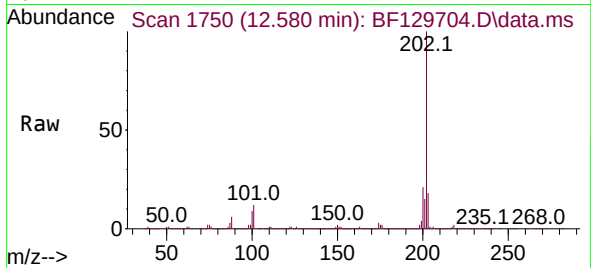
Tgt Ion:178 Resp: 102272
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 14.6 12.6 19.0





#75
Fluoranthene
Concen: 36.359 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

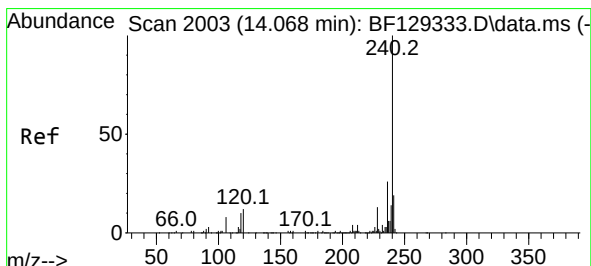
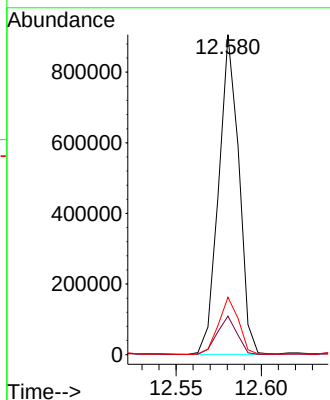
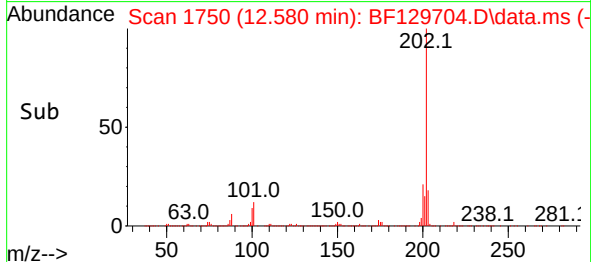
Instrument :
BNA_F
ClientSampleId :
SU-04-080922



Tgt Ion:202 Resp: 745772
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.4
203 17.9 0.0 38.0

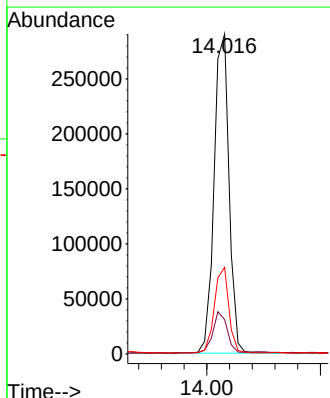
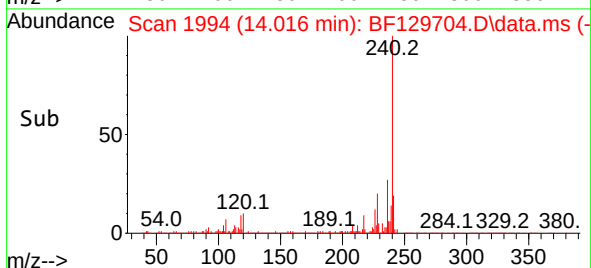
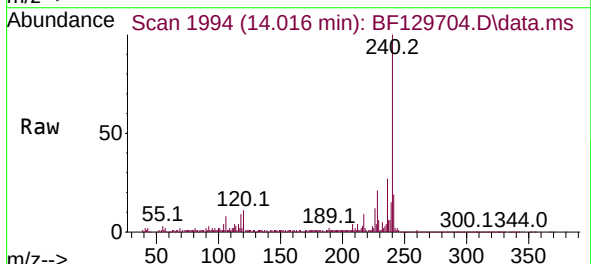
Manual Integrations
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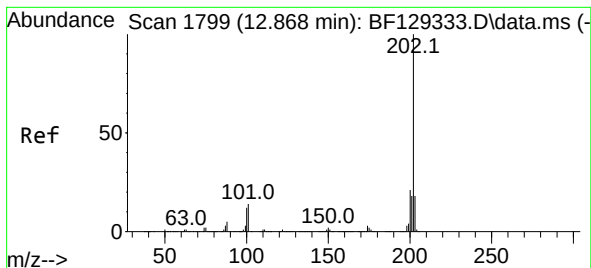
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Tgt Ion:240 Resp: 265443
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 27.0 20.8 31.2





#78

Pyrene

Concen: 31.808 ng

RT: 12.810 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

Instrument :

BNA_F

ClientSampleId :

SU-04-080922

Tgt Ion:202 Resp: 706048

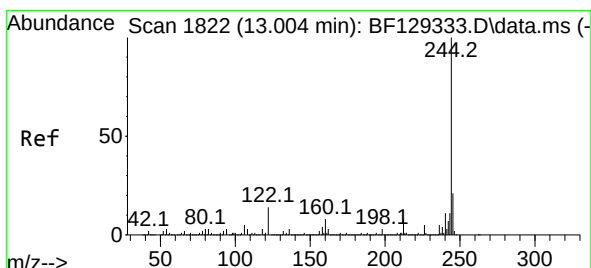
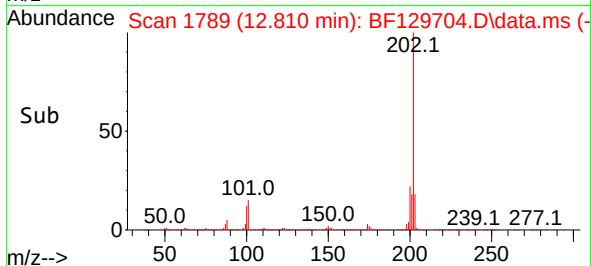
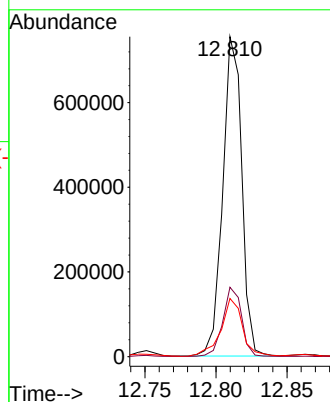
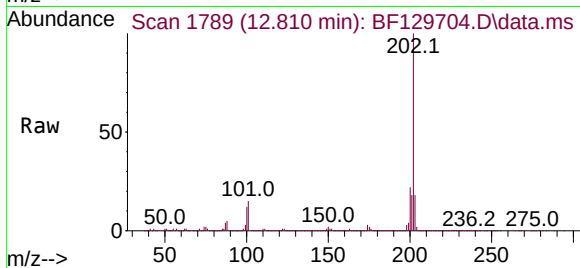
Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	18.2	14.6	21.8

Manual Integrations

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Reviewed By :Christian Giraldo 08/11/2022

Supervised By :Jagrut Upadhyay 08/11/2022



#79

Terphenyl-d14

Concen: 76.104 ng

RT: 12.951 min Scan# 1813

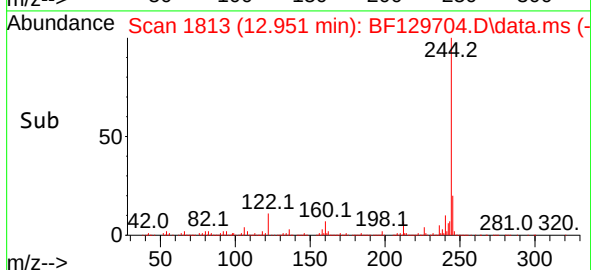
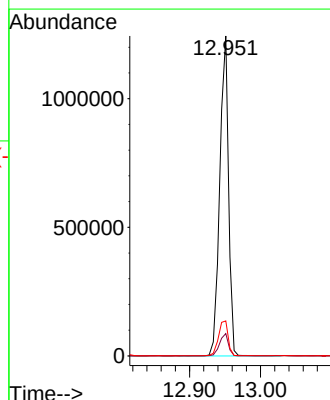
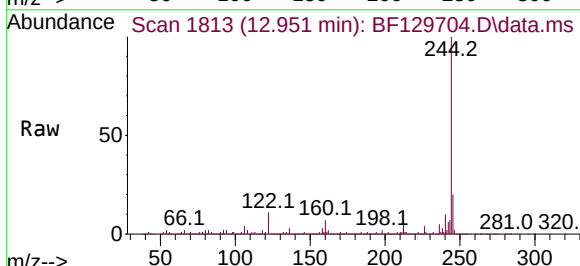
Delta R.T. -0.018 min

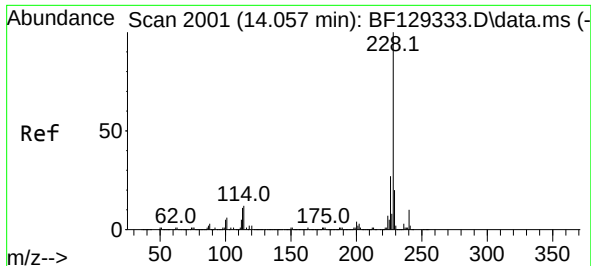
Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

Tgt Ion:244 Resp: 1070794

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	10.9	8.8	13.2





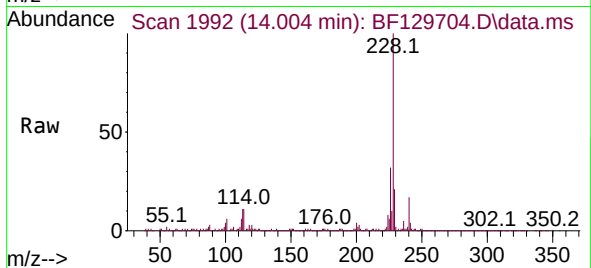
#81
Benzo(a)anthracene
Concen: 24.601 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Instrument :

BNA_F

ClientSampleId :

SU-04-080922

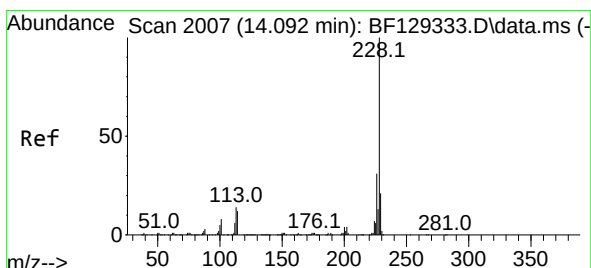
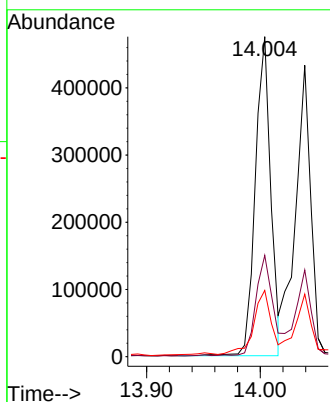
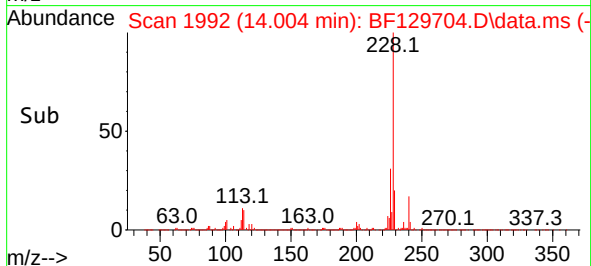


Tgt Ion:228 Resp: 446078
Ion Ratio Lower Upper
228 100
226 31.6 22.1 33.1
229 20.7 15.8 23.8

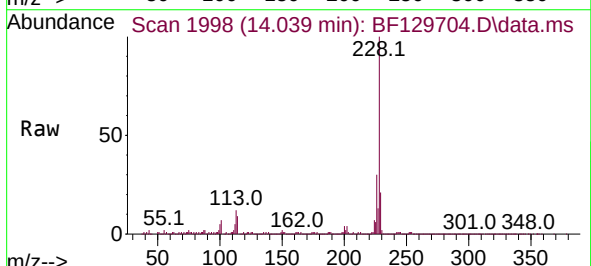
Manual Integrations

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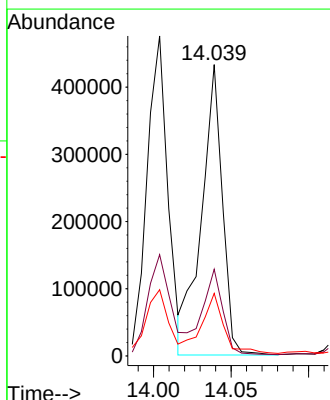
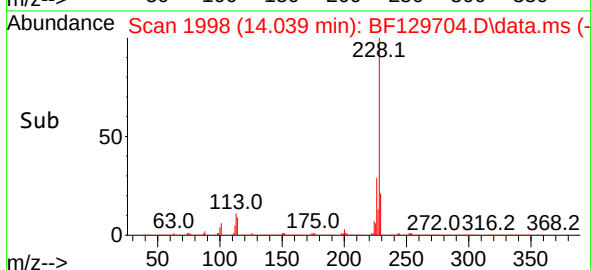
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

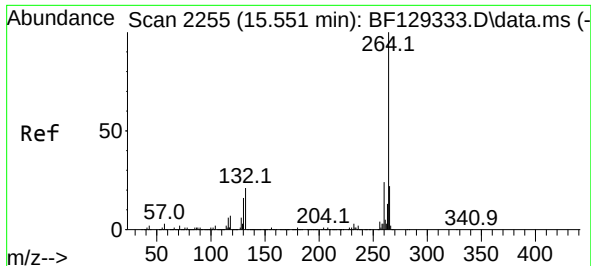


#83
Chrysene
Concen: 23.942 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52



Tgt Ion:228 Resp: 409147
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 21.5 15.9 23.9





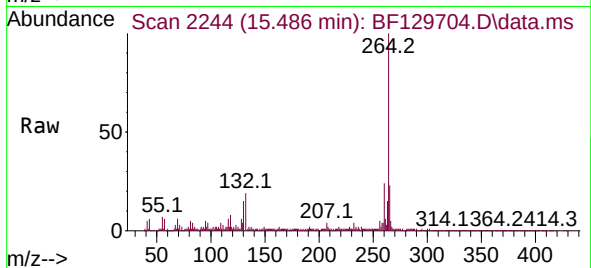
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Instrument :

BNA_F

ClientSampleId :

SU-04-080922

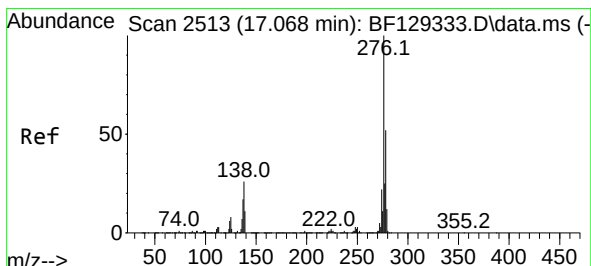
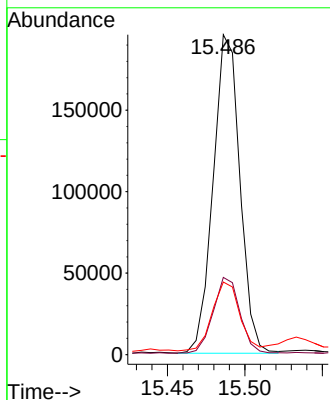
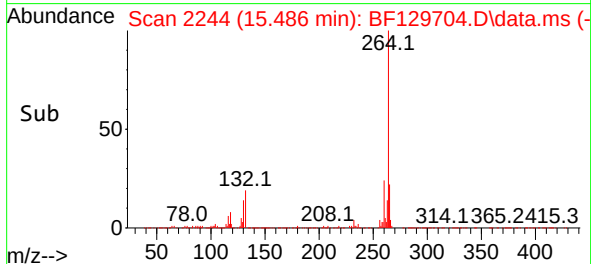


Tgt Ion:264 Resp: 235233
Ion Ratio Lower Upper
264 100
260 24.1 18.4 27.6
265 22.7 17.2 25.8

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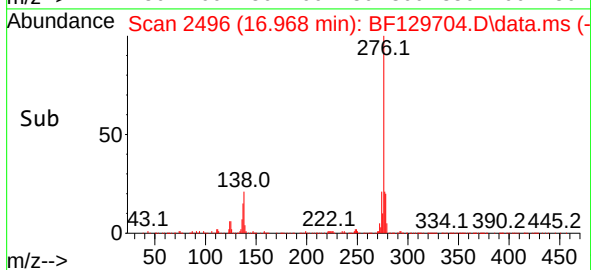
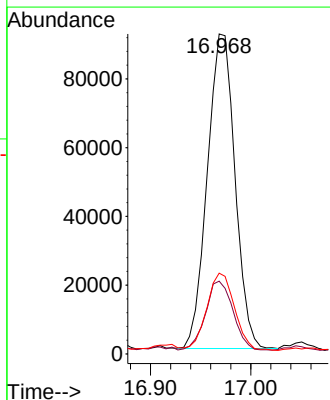
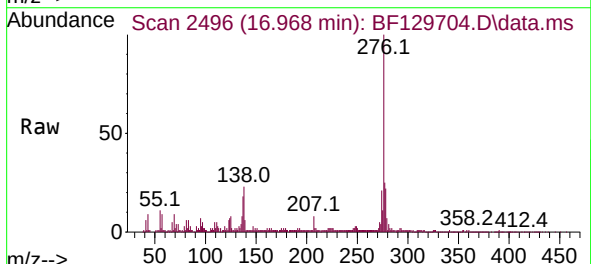
APPROVED

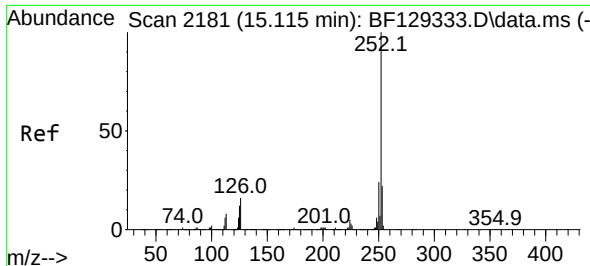
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.088 ng
RT: 16.968 min Scan# 2496
Delta R.T. -0.029 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Tgt Ion:276 Resp: 175643
Ion Ratio Lower Upper
276 100
138 21.7 21.1 31.7
277 24.6 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 33.090 ng m
RT: 15.057 min Scan# 2171
Delta R.T. -0.012 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Instrument :

BNA_F

ClientSampleId :

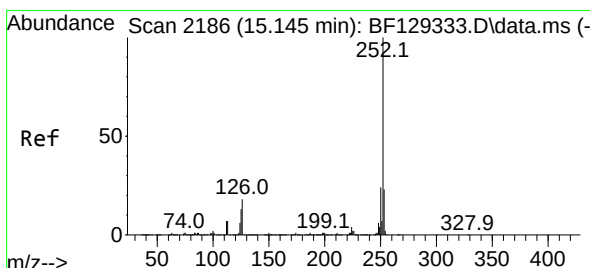
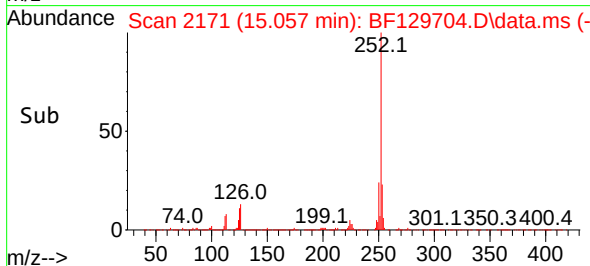
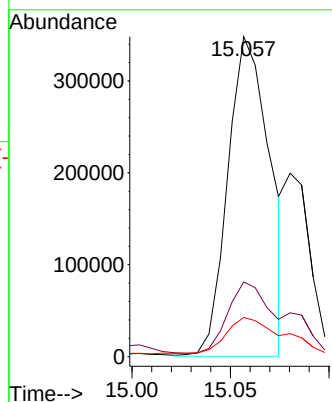
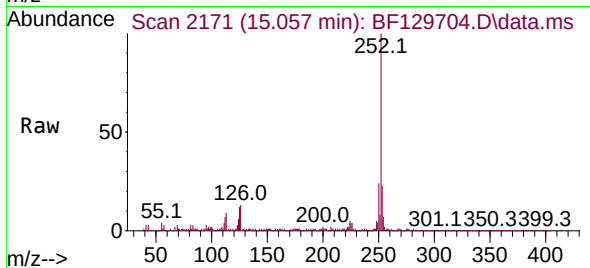
SU-04-080922

Tgt Ion:252 Resp: 516325
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 12.2 8.0 12.0

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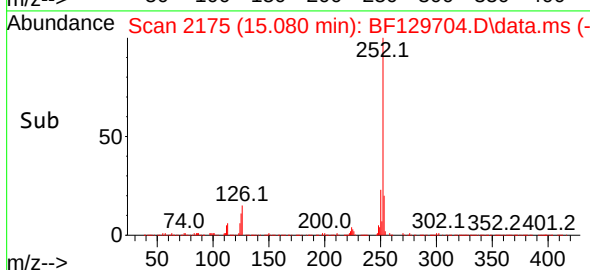
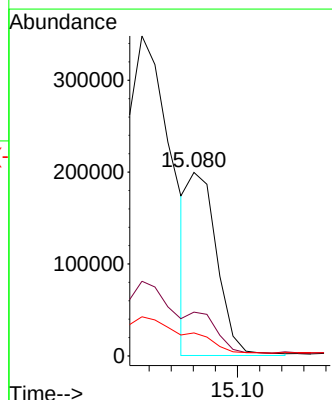
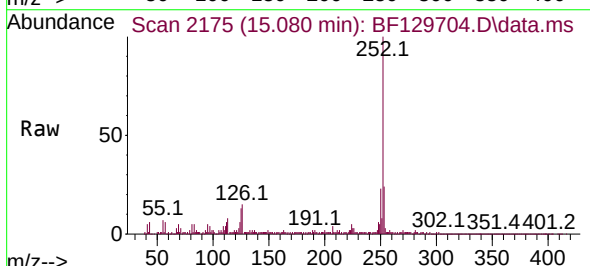
APPROVED

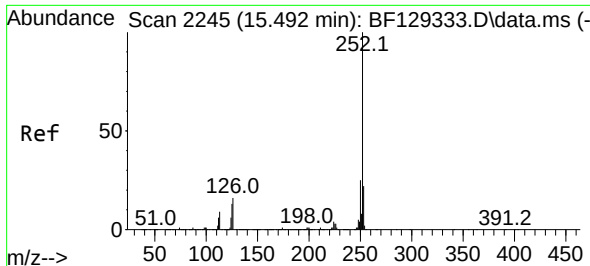
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#89
Benzo(k)fluoranthene
Concen: 11.654 ng m
RT: 15.080 min Scan# 2175
Delta R.T. -0.023 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Tgt Ion:252 Resp: 178208
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 12.5 8.3 12.5





#90
Benzo(a)pyrene
Concen: 27.983 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Instrument :

BNA_F

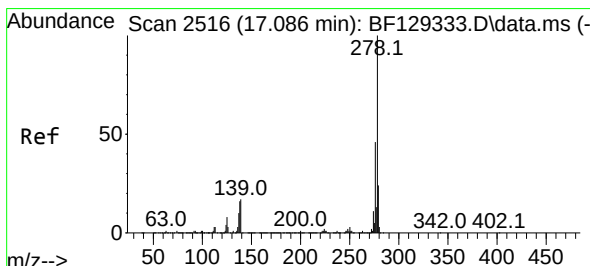
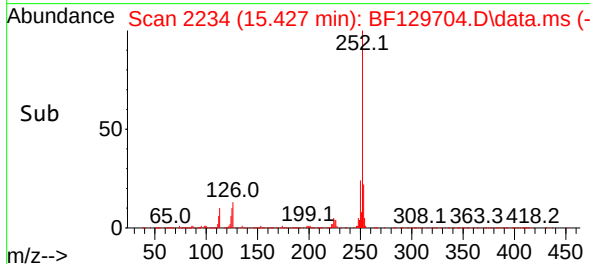
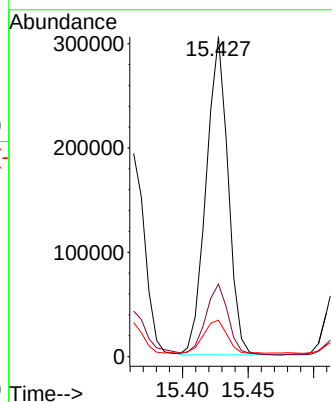
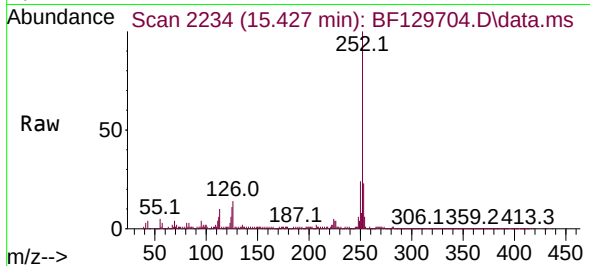
ClientSampleId :

SU-04-080922

Tgt Ion:252 Resp: 35445
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 11.4 8.8 13.2

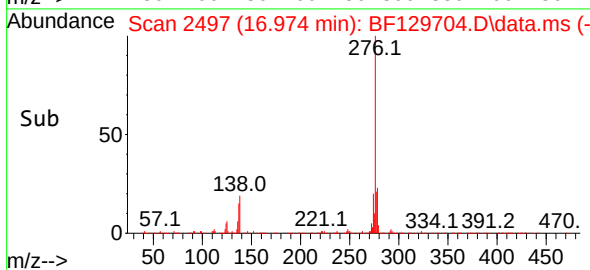
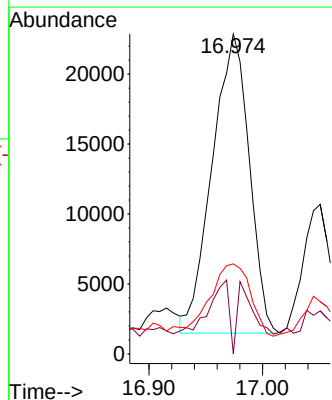
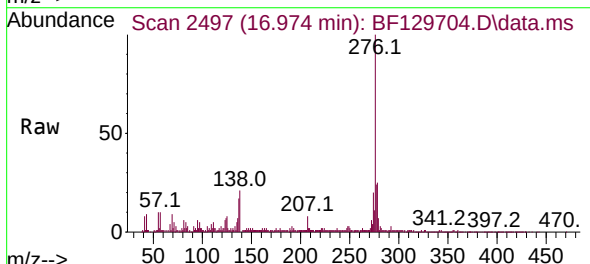
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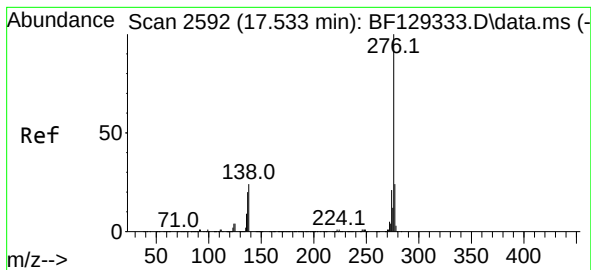
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.755 ng
RT: 16.974 min Scan# 2497
Delta R.T. -0.035 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

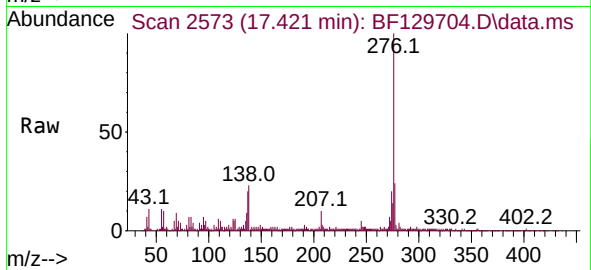
Tgt Ion:278 Resp: 48417
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2#
279 28.1 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 11.457 ng
 RT: 17.421 min Scan# 2573
 Delta R.T. -0.029 min
 Lab File: BF129704.D
 Acq: 10 Aug 2022 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080922



Tgt Ion:276 Resp: 150946
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.1 28.7
 138 23.1 18.0 27.0

Manual Integrations
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Reviewed By :Christian Giraldo 08/11/2022
 Supervised By :Jagrut Upadhyay 08/11/2022

