

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
 Data File : BF127831.D
 Acq On : 18 Apr 2022 18:01
 Operator : CG\JU
 Sample : N2446-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 339

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/19/2022
 Supervised By : Jagrut Upadhyay 04/19/2022

Quant Time: Apr 19 05:16:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 16:40:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	143826	20.000	ng	-0.01
21) Naphthalene-d8	8.234	136	520996	20.000	ng	#-0.01
39) Acenaphthene-d10	9.992	164	274263	20.000	ng	-0.01
64) Phenanthrene-d10	11.486	188	435073	20.000	ng	0.00
76) Chrysene-d12	14.133	240	316129	20.000	ng	-0.01
86) Perylene-d12	15.651	264	286471	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	871417	98.450	ng	0.00
7) Phenol-d6	6.575	99	1107144	95.613	ng	-0.01
23) Nitrobenzene-d5	7.516	82	788785	67.496	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	285926	97.968	ng	-0.01
45) 2-Fluorobiphenyl	9.310	172	1206995	62.258	ng	-0.01
79) Terphenyl-d14	13.069	244	1040811	54.344	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.251	128	99999	3.663	ng	100
52) Acenaphthene	10.022	154	71526	4.478	ng	96
55) Dibenzofuran	10.198	168	87081	3.736	ng	97
58) Fluorene	10.539	166	91668m	5.323	ng	
71) Phenanthrene	11.510	178	373785	16.215	ng	98
72) Anthracene	11.557	178	66693	2.925	ng	98
75) Fluoranthene	12.698	202	468802	18.637	ng	99
78) Pyrene	12.933	202	443578	16.617	ng	100
81) Benzo(a)anthracene	14.121	228	223937	10.606	ng	93
83) Chrysene	14.157	228	306608	15.128	ng	98
87) Indeno(1,2,3-cd)pyrene	17.198	276	93441	5.221	ng	98
88) Benzo(b)fluoranthene	15.198	252	282638m	15.337	ng	
89) Benzo(k)fluoranthene	15.227	252	105194m	5.755	ng	
90) Benzo(a)pyrene	15.586	252	180239	12.033	ng	96
92) Benzo(g,h,i)perylene	17.668	276	86311	5.805	ng	98

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

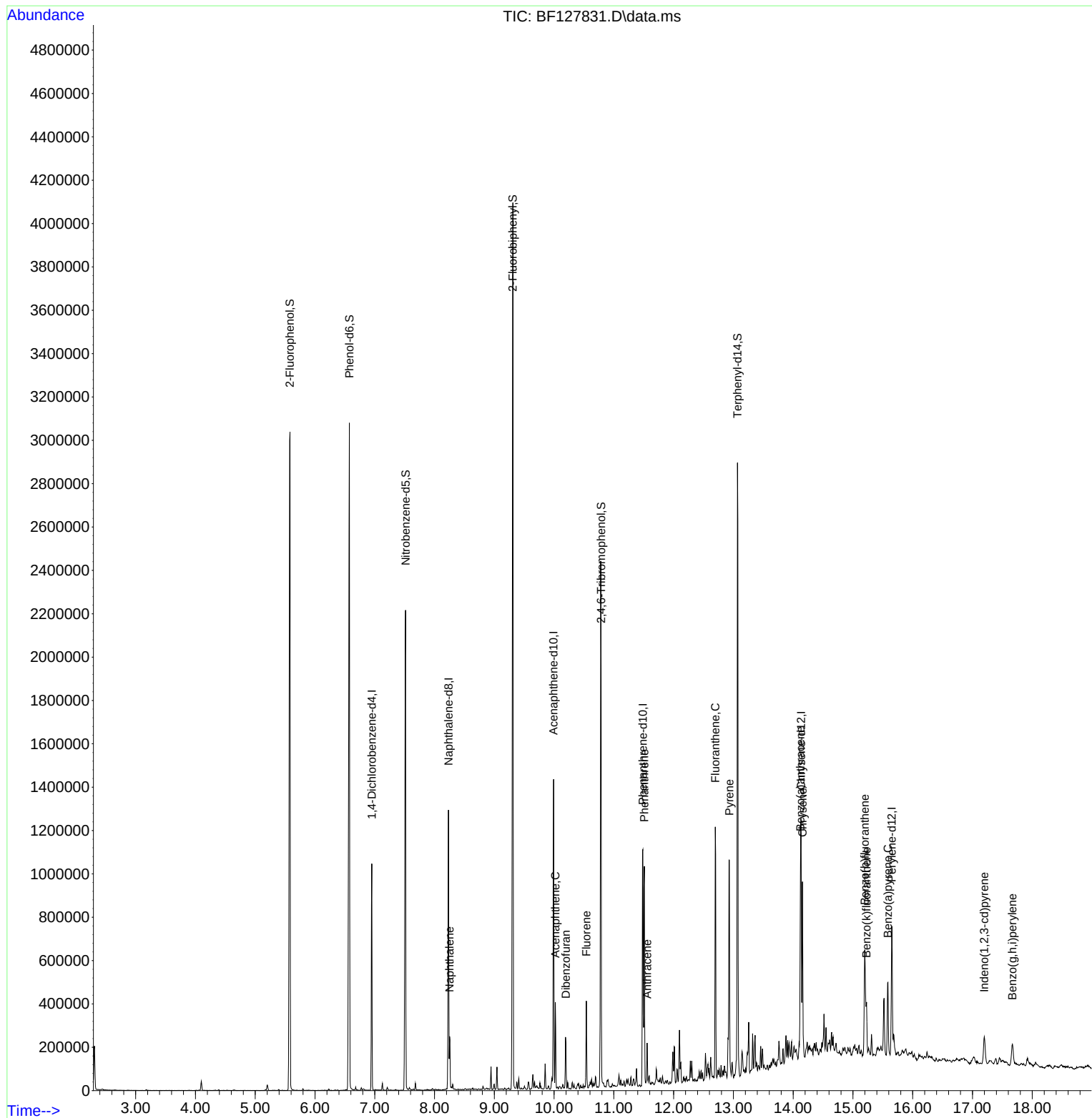
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
Data File : BF127831.D
Acq On : 18 Apr 2022 18:01
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Sample : N2446-01
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ALS Vial : 14 Sample Multiplier: 1

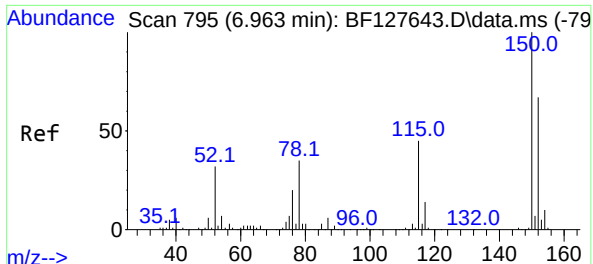
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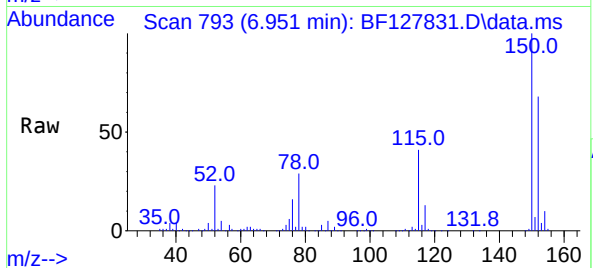
Quant Time: Apr 19 05:16:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 16:40:15 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

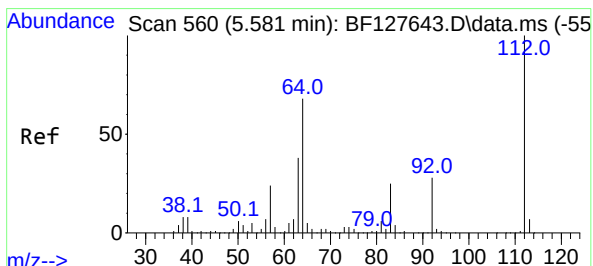
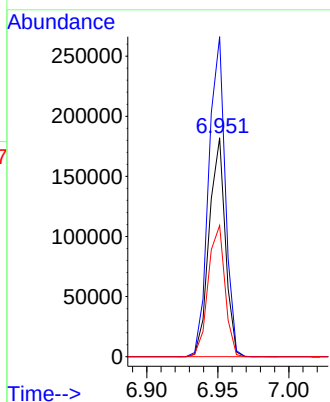
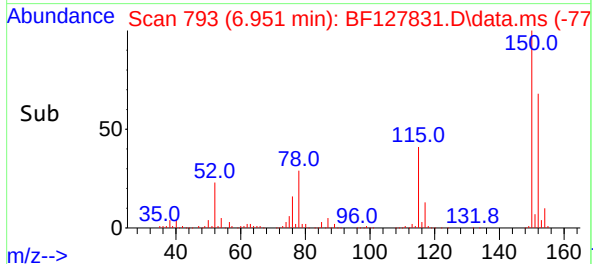
Instrument :
BNA_F
ClientSampleId :
339



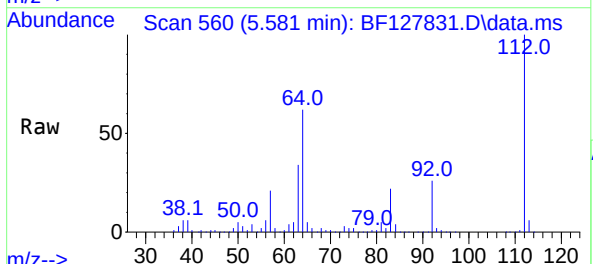
Tgt Ion:152 Resp: 143820
Ion Ratio Lower Upper
152 100
150 146.2 117.2 175.8
115 60.0 49.8 74.6

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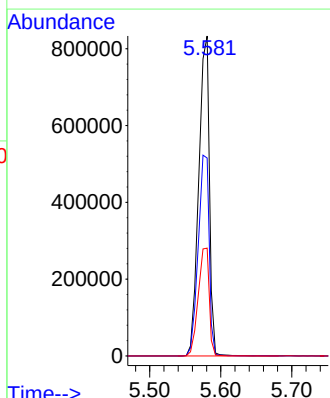
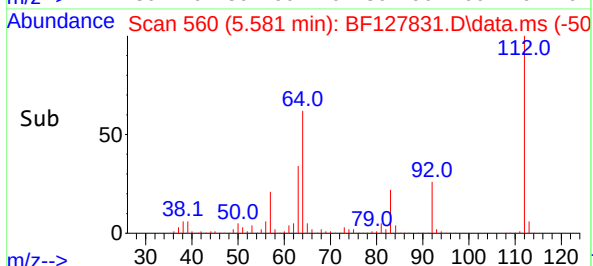
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

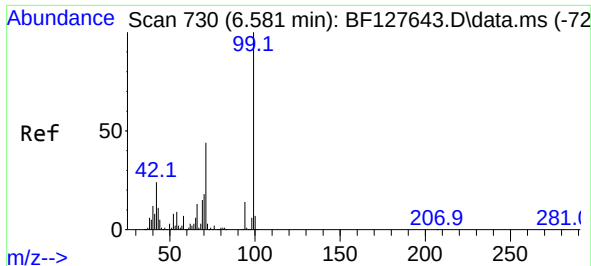


#5
2-Fluorophenol
Concen: 98.450 ng
RT: 5.581 min Scan# 560
Delta R.T. -0.000 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01



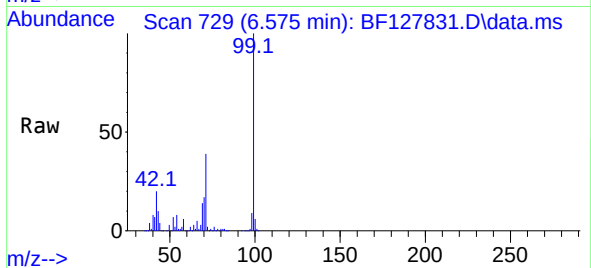
Tgt Ion:112 Resp: 871417
Ion Ratio Lower Upper
112 100
64 61.8 58.4 87.6
63 33.7 30.1 45.1





#7
Phenol-d6
Concen: 95.613 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

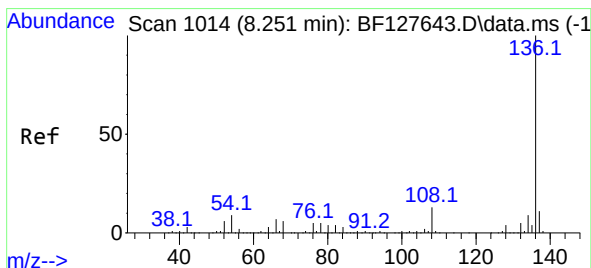
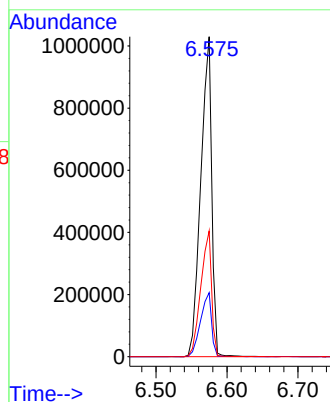
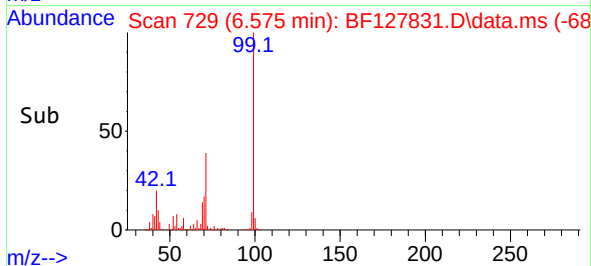
Instrument :
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ClientSampleId :
339



Tgt Ion: 99 Resp: 1107144
Ion Ratio Lower Upper
99 100
42 20.0 17.8 26.6
71 39.3 29.6 44.4

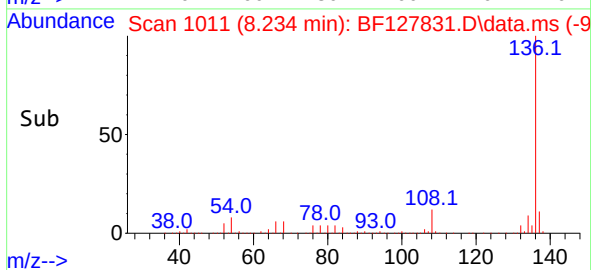
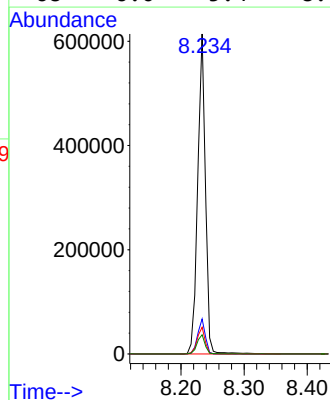
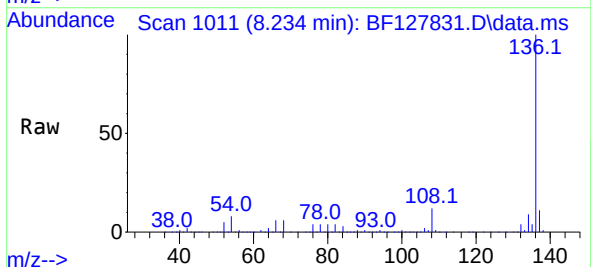
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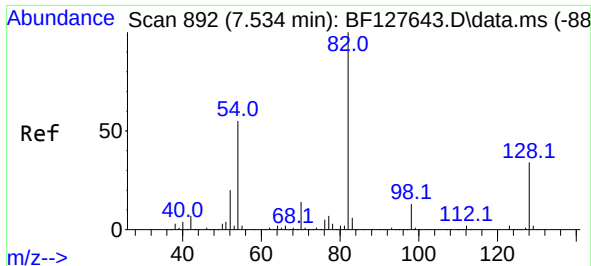
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.234 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Tgt Ion:136 Resp: 520996
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 9.2 13.8#
68 6.0 5.4 8.0





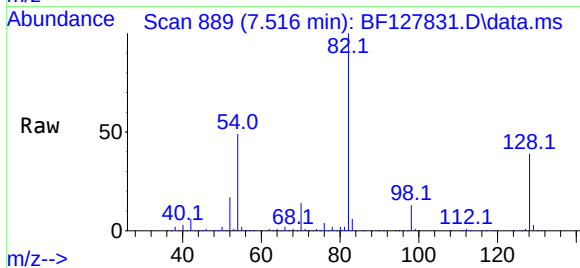
#23
Nitrobenzene-d5
Concen: 67.496 ng
RT: 7.516 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Instrument :

BNA_F

ClientSampleId :

339

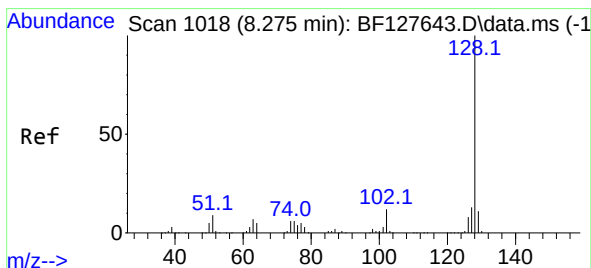
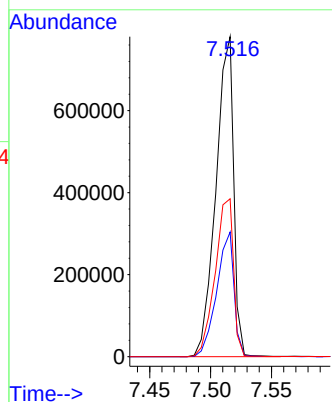
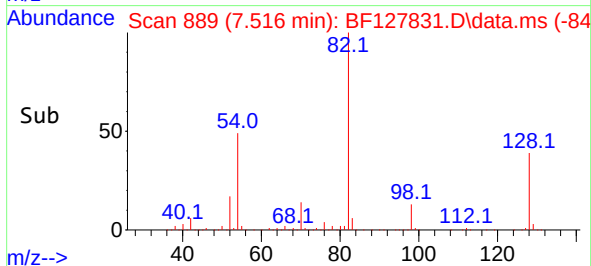


Tgt Ion: 82 Resp: 78878
Ion Ratio Lower Upper
82 100
128 38.9 30.6 45.8
54 49.4 48.2 72.2

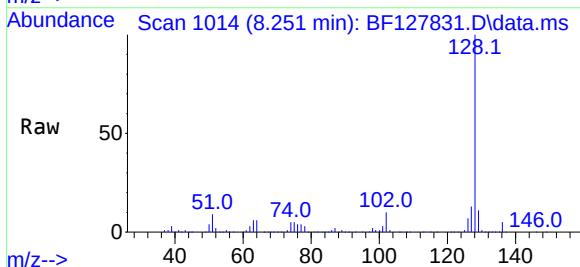
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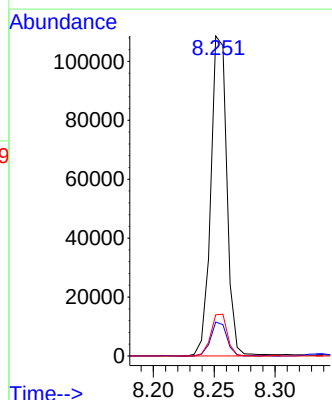
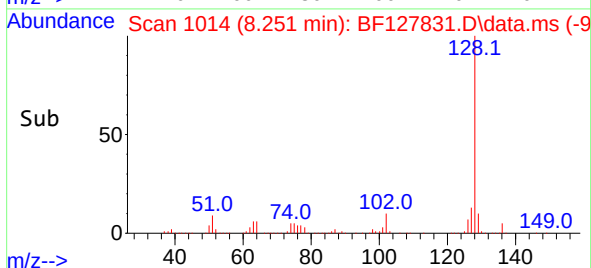
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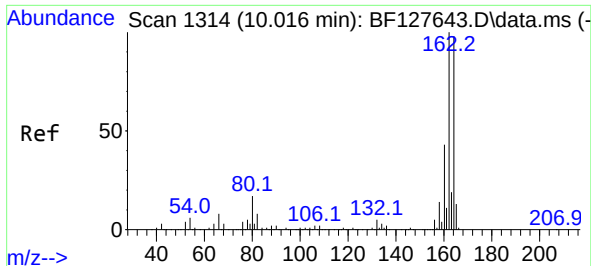


#31
Naphthalene
Concen: 3.663 ng
RT: 8.251 min Scan# 1014
Delta R.T. -0.018 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01



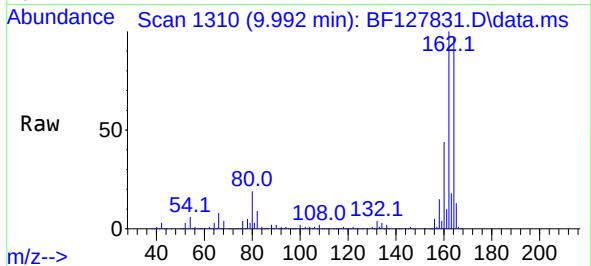
Tgt Ion:128 Resp: 99999
Ion Ratio Lower Upper
128 100
129 10.6 8.4 12.6
127 12.8 10.2 15.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

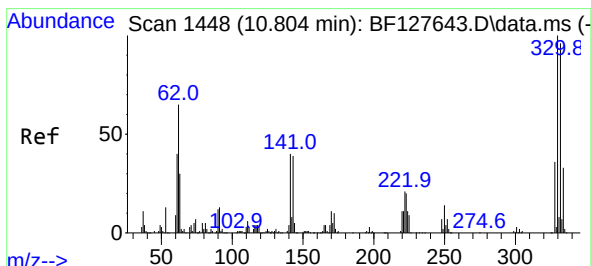
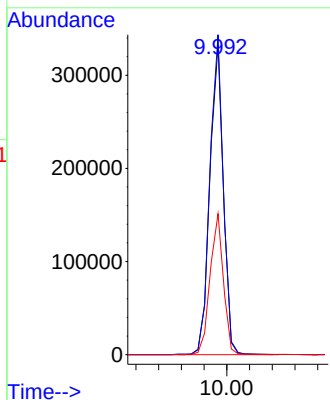
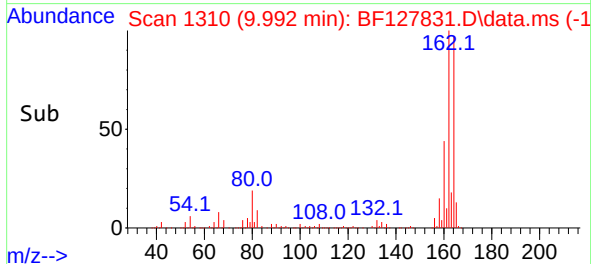
Instrument :
BNA_F
ClientSampleId :
339



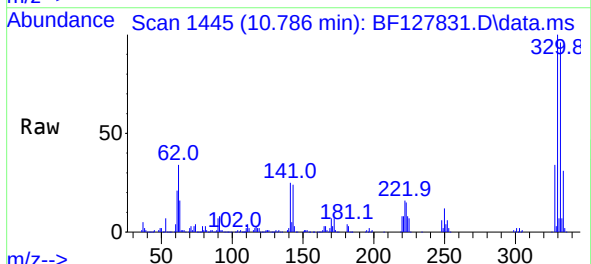
Tgt Ion:164 Resp: 27426
Ion Ratio Lower Upper
164 100
162 103.2 81.2 121.8
160 45.5 34.6 52.0

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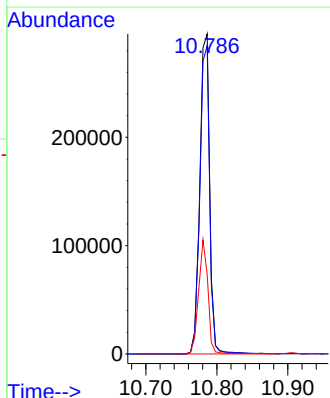
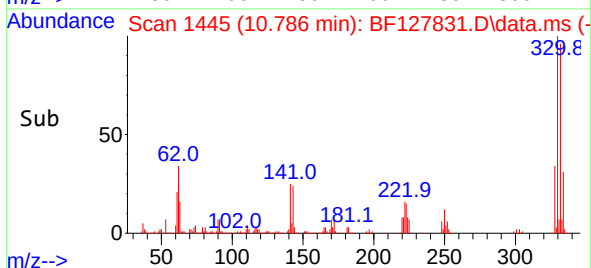
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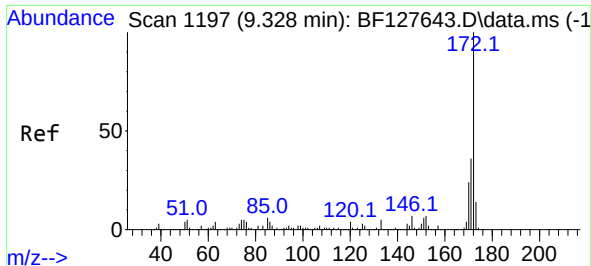


#42
2,4,6-Tribromophenol
Concen: 97.968 ng
RT: 10.786 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01



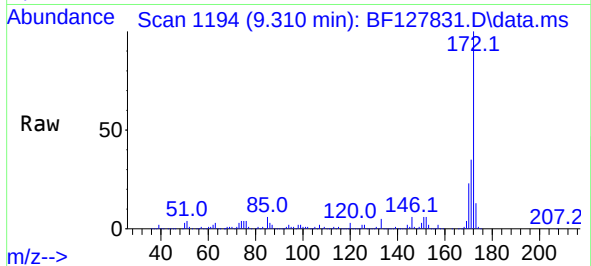
Tgt Ion:330 Resp: 285926
Ion Ratio Lower Upper
330 100
332 95.8 79.1 118.7
141 33.7 26.2 39.4





#45
2-Fluorobiphenyl
Concen: 62.258 ng
RT: 9.310 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

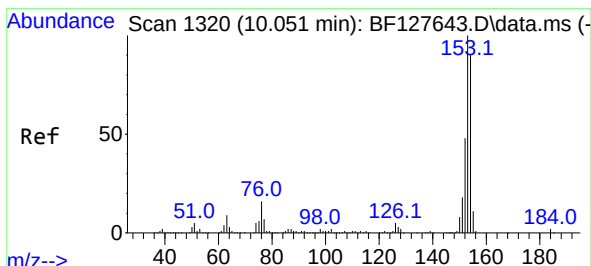
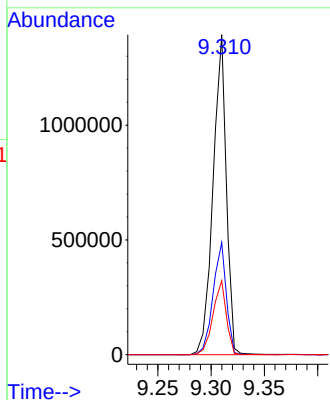
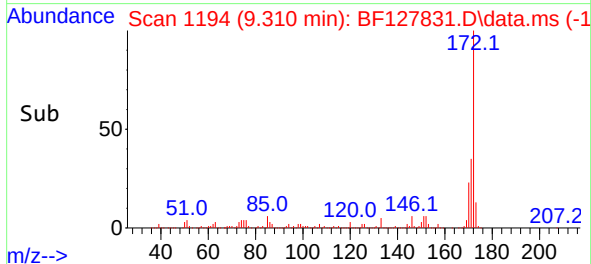
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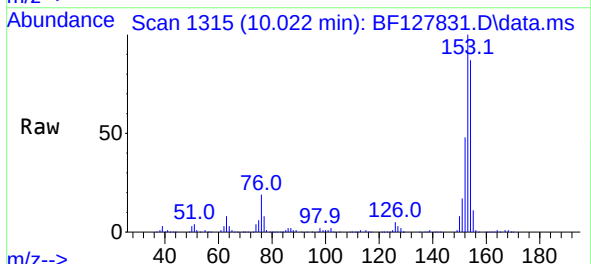
Tgt Ion:172 Resp: 120699
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.1 18.6 27.8

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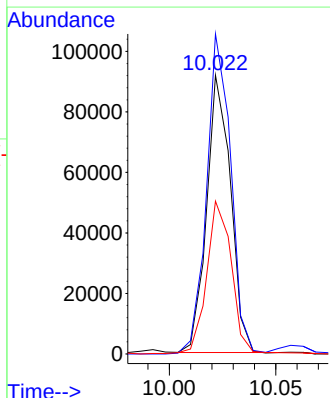
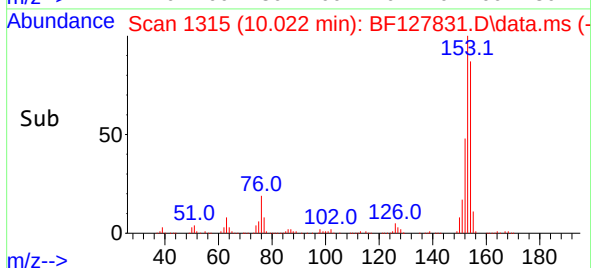
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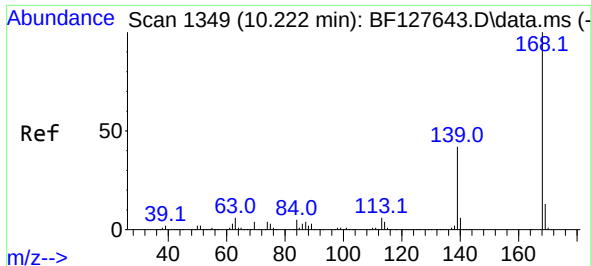


#52
Acenaphthene
Concen: 4.478 ng
RT: 10.022 min Scan# 1315
Delta R.T. -0.018 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01



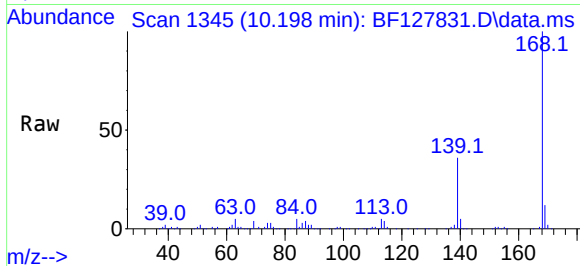
Tgt Ion:154 Resp: 71526
Ion Ratio Lower Upper
154 100
153 114.8 87.6 131.4
152 54.9 42.9 64.3





#55
Dibenzenofuran
Concen: 3.736 ng
RT: 10.198 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

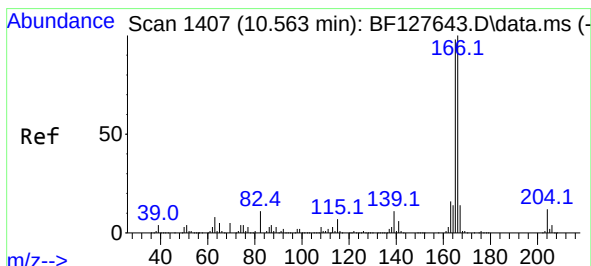
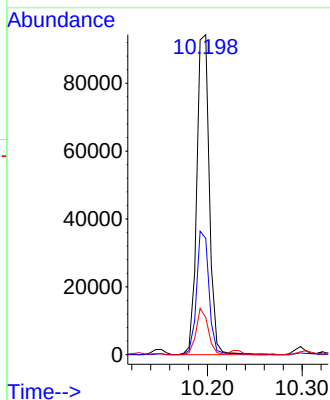
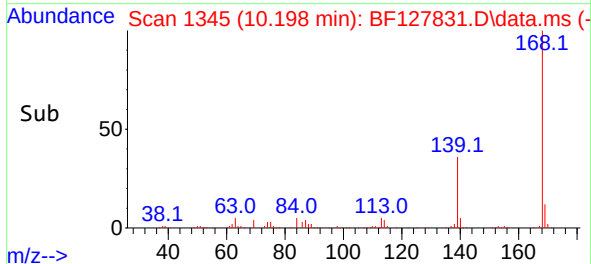
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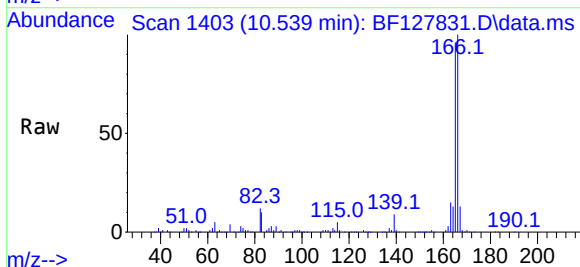
Tgt Ion:168 Resp: 8708
Ion Ratio Lower Upper
168 100
139 36.4 30.3 45.5
169 11.6 10.8 16.2

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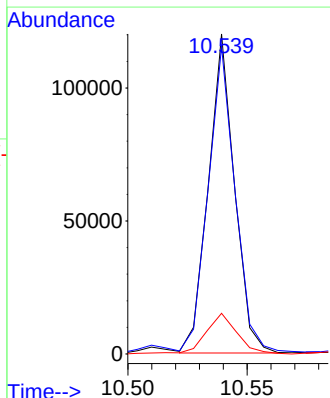
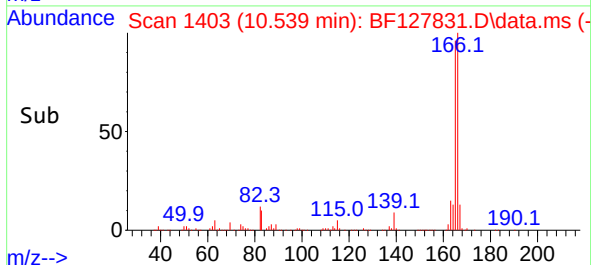
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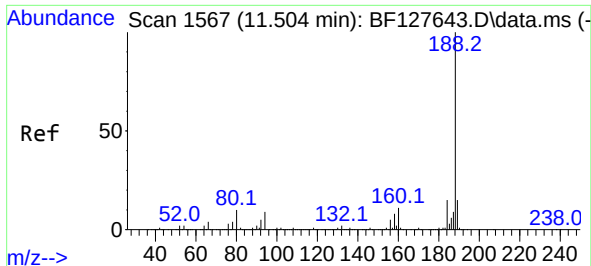


#58
Fluorene
Concen: 5.323 ng m
RT: 10.539 min Scan# 1403
Delta R.T. -0.018 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01



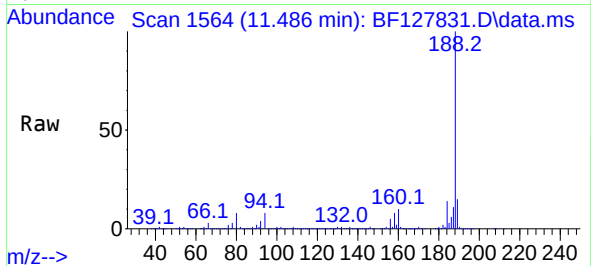
Tgt Ion:166 Resp: 91668
Ion Ratio Lower Upper
166 100
165 96.2 78.1 117.1
167 12.7 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

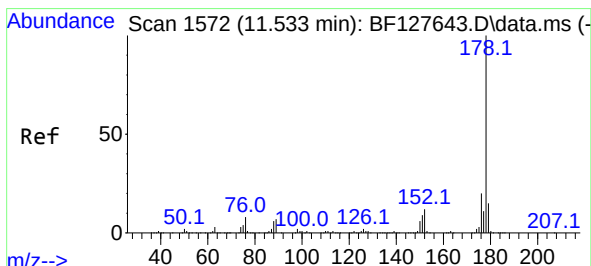
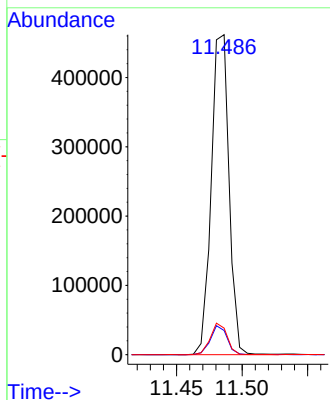
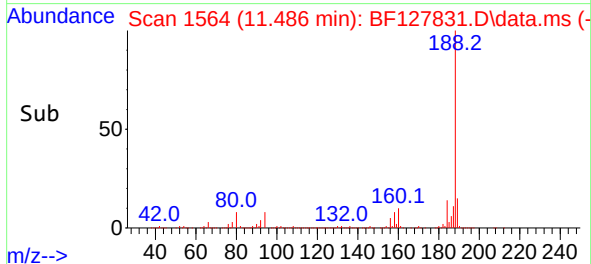
Instrument :
BNA_F
ClientSampleId :
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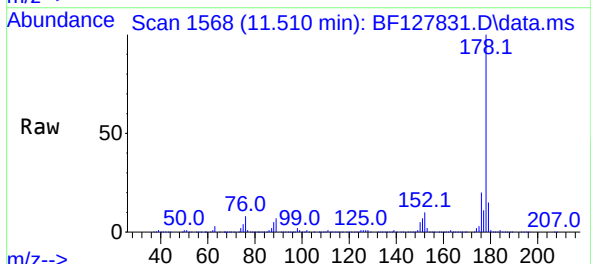
Tgt Ion:188 Resp: 435073
Ion Ratio Lower Upper
188 100
94 7.6 7.4 11.0
80 8.3 8.0 12.0

Manual Integrations
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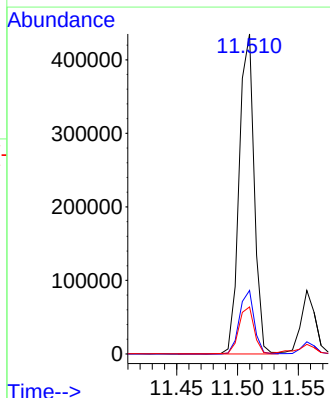
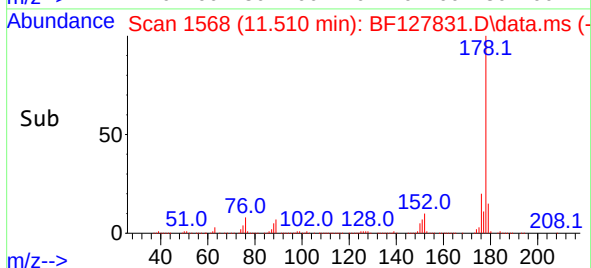
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

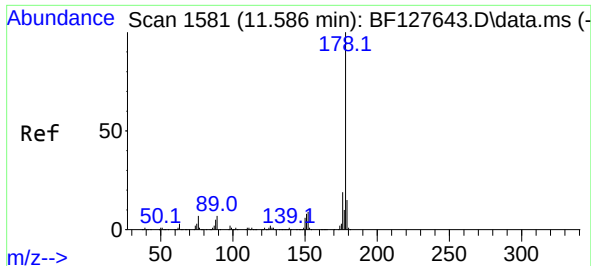


#71
Phenanthrene
Concen: 16.215 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01



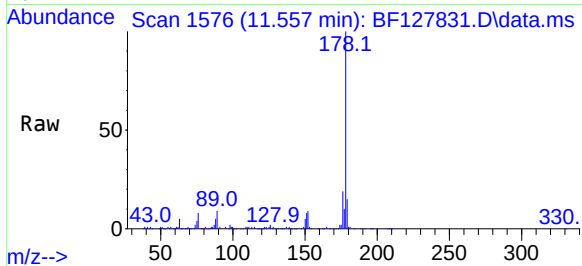
Tgt Ion:178 Resp: 373785
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.2
179 14.7 12.4 18.6





#72
 Anthracene
 Concen: 2.925 ng
 RT: 11.557 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF127831.D
 Acq: 18 Apr 2022 18:01

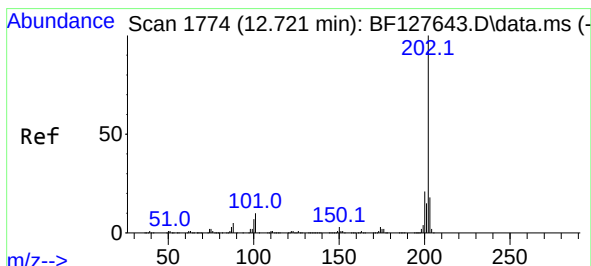
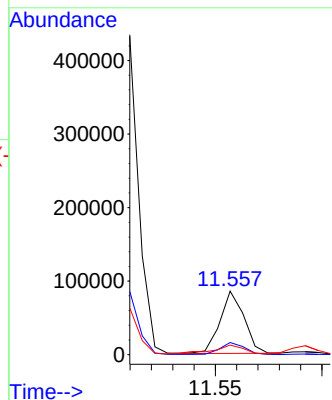
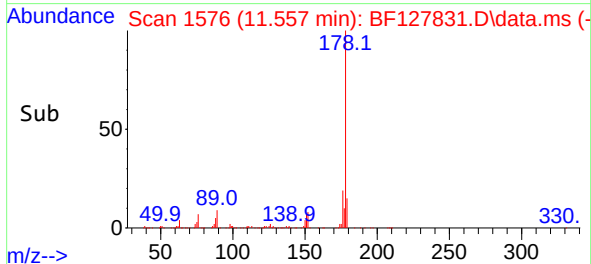
Instrument :
 BNA_F
 ClientSampleId :
 339



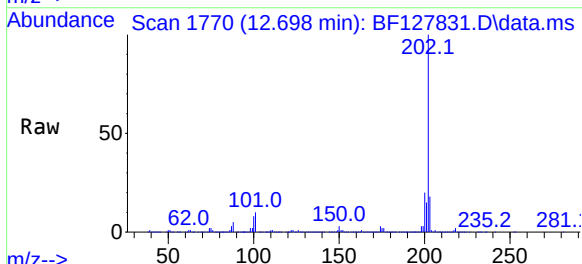
Tgt Ion:178 Resp: 6669
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.6 22.0
 179 15.1 12.4 18.6

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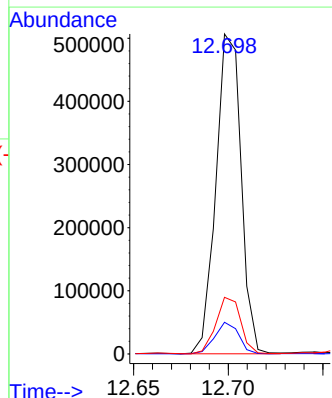
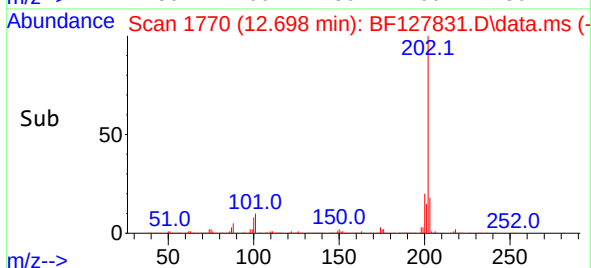
Reviewed By :Christian Giraldo 04/19/2022
 Supervised By :Jagrut Upadhyay 04/19/2022

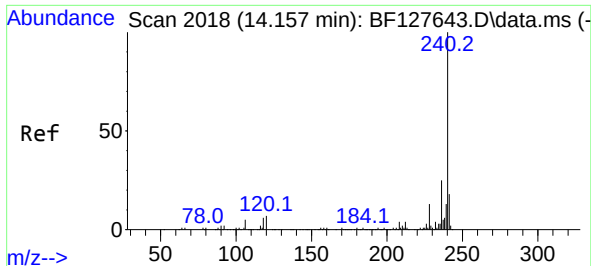


#75
 Fluoranthene
 Concen: 18.637 ng
 RT: 12.698 min Scan# 1770
 Delta R.T. -0.012 min
 Lab File: BF127831.D
 Acq: 18 Apr 2022 18:01



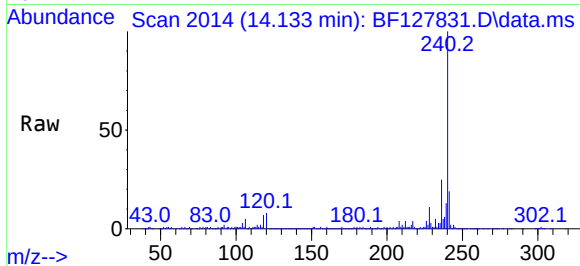
Tgt Ion:202 Resp: 468802
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 29.0
 203 17.7 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

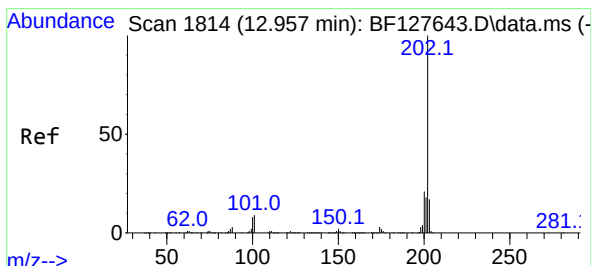
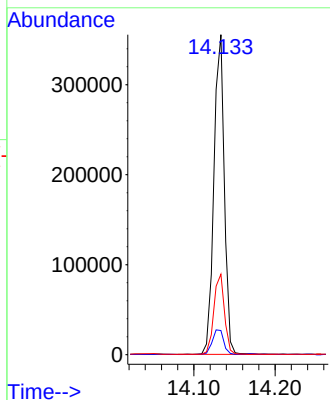
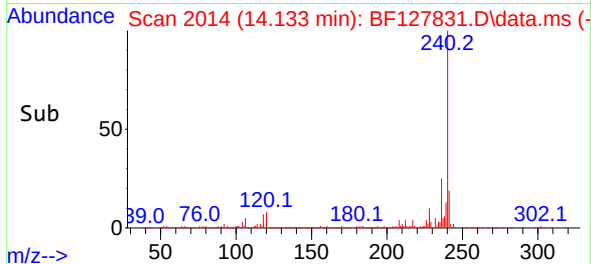
Instrument :
BNA_F
ClientSampleId :
339



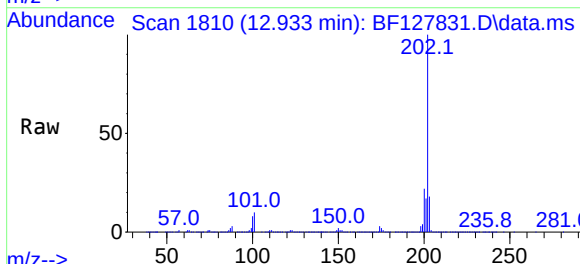
Tgt Ion:240 Resp: 316129
Ion Ratio Lower Upper
240 100
120 7.6 7.1 10.7
236 25.1 20.7 31.1

Manual Integrations
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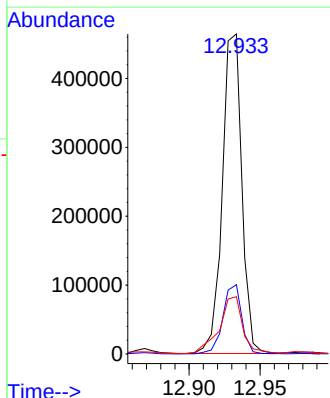
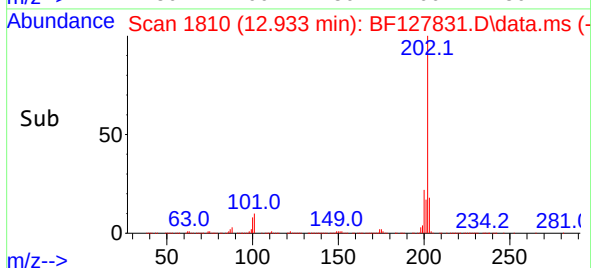
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

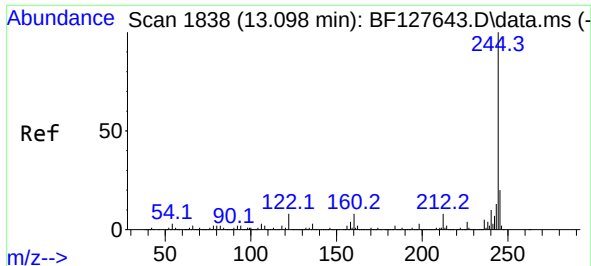


#78
Pyrene
Concen: 16.617 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01



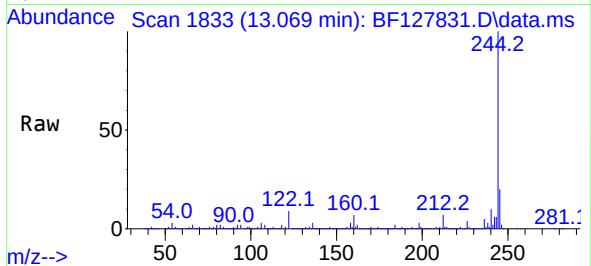
Tgt Ion:202 Resp: 443578
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 17.9 14.3 21.5





#79
Terphenyl-d14
Concen: 54.344 ng
RT: 13.069 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

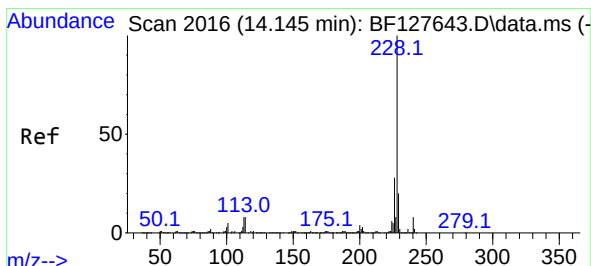
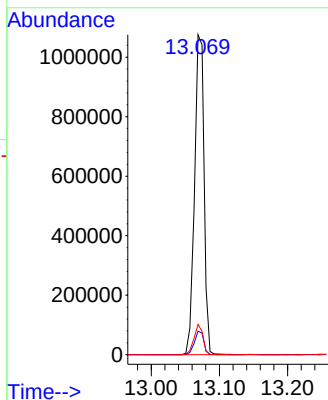
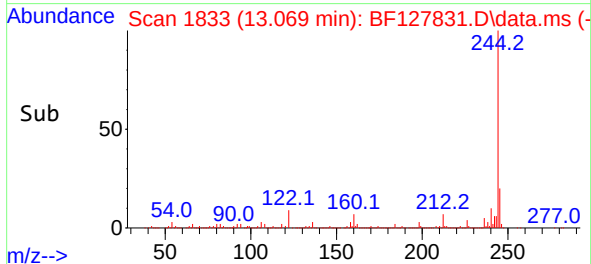
Instrument :
BNA_F
ClientSampleId :
339



Tgt Ion:244 Resp: 104081
Ion Ratio Lower Upper
244 100
212 7.4 5.7 8.5
122 9.5 6.2 9.2

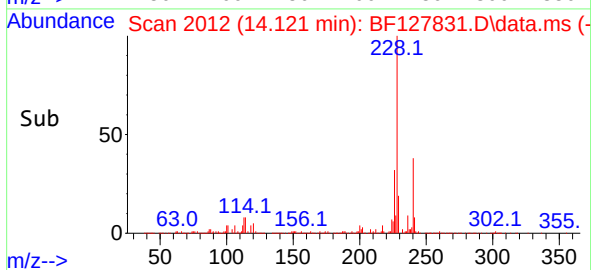
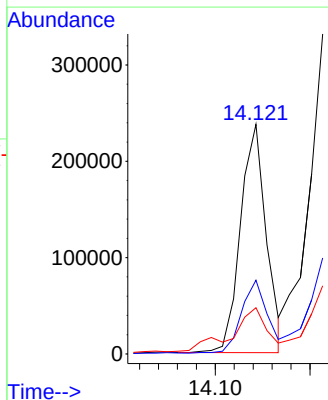
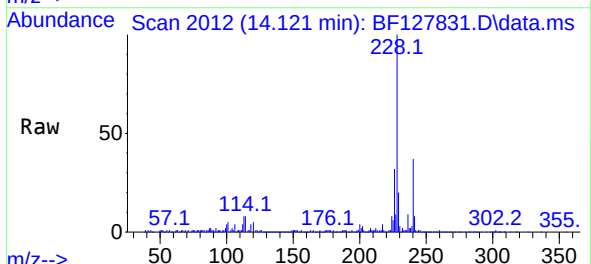
Manual Integrations
APPROVED

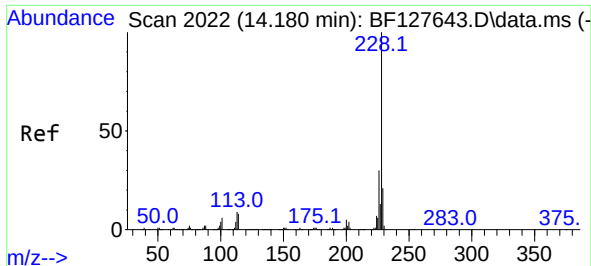
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#81
Benzo(a)anthracene
Concen: 10.606 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

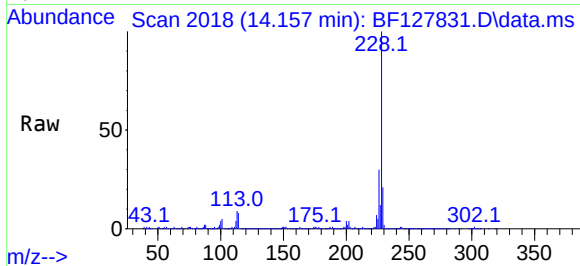
Tgt Ion:228 Resp: 223937
Ion Ratio Lower Upper
228 100
226 32.1 21.6 32.4
229 20.1 15.4 23.2





#83
Chrysene
Concen: 15.128 ng
RT: 14.157 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

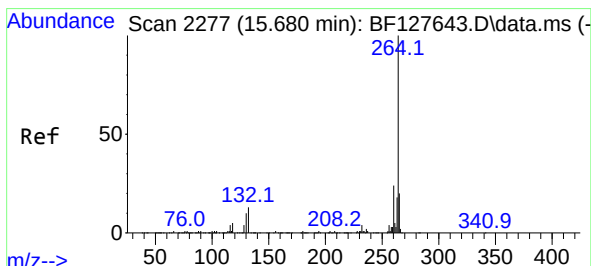
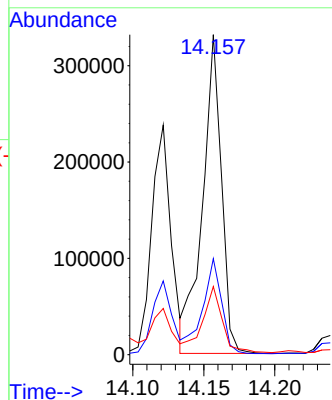
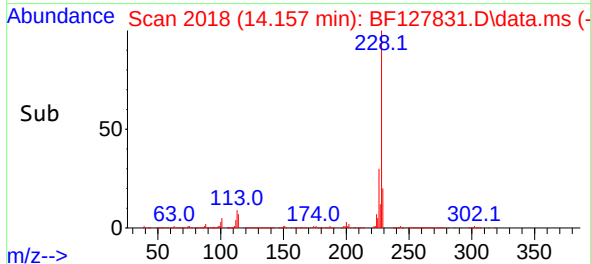
Instrument :
BNA_F
ClientSampleId :
339



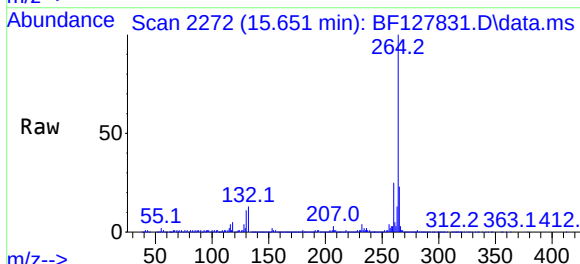
Tgt Ion:228 Resp: 306608
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 21.3 15.4 23.2

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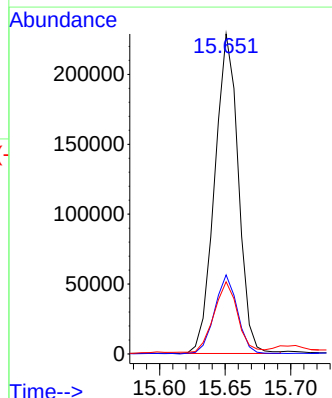
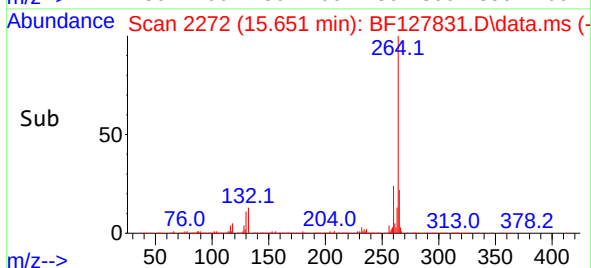
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

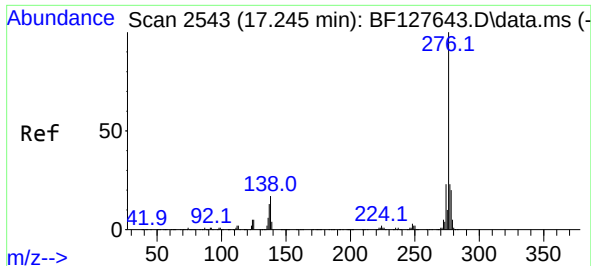


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.651 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01



Tgt Ion:264 Resp: 286471
Ion Ratio Lower Upper
264 100
260 24.7 19.1 28.7
265 22.6 17.4 26.2





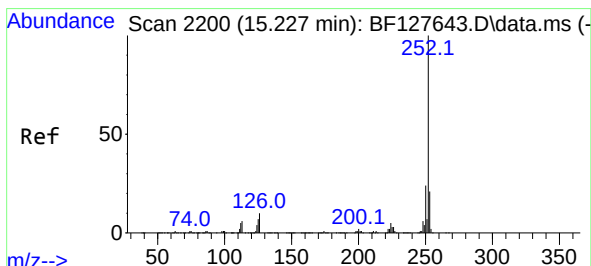
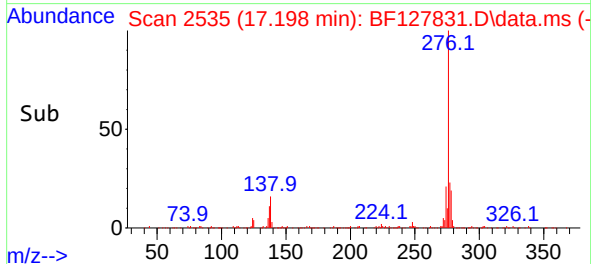
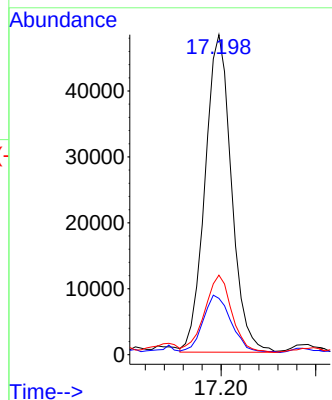
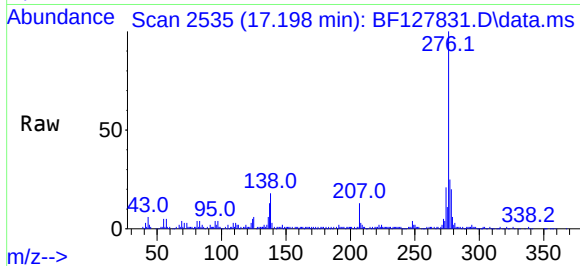
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.221 ng
RT: 17.198 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Instrument :
BNA_F
ClientSampleId :
339

Tgt Ion:	276	Resp:	9344
Ion Ratio	Lower	Upper	
276	100		
138	19.2	17.1	25.7
277	24.9	19.9	29.9

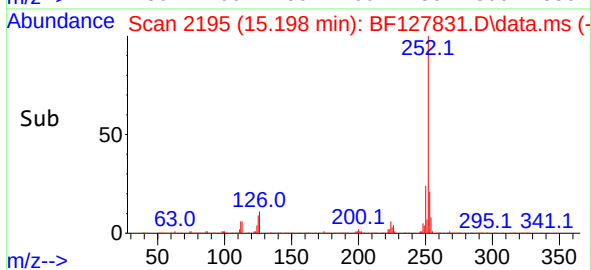
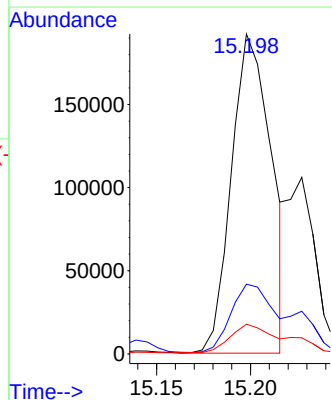
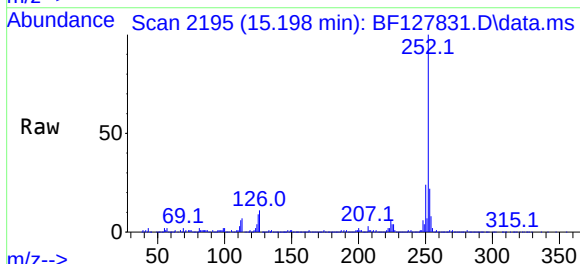
Manual Integrations
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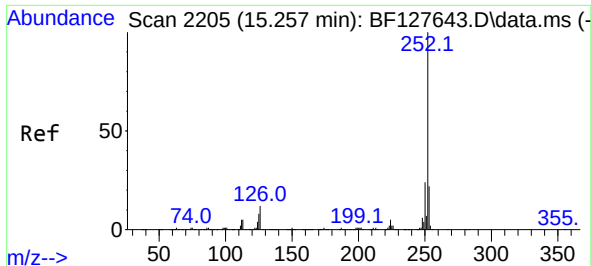
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#88
Benzo(b)fluoranthene
Concen: 15.337 ng m
RT: 15.198 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Tgt Ion:	252	Resp:	282638
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.9	26.9
125	9.3	7.0	10.4





#89

Benzo(k)fluoranthene

Concen: 5.755 ng m

RT: 15.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127831.D

Acq: 18 Apr 2022 18:01

Instrument :

BNA_F

ClientSampleId :

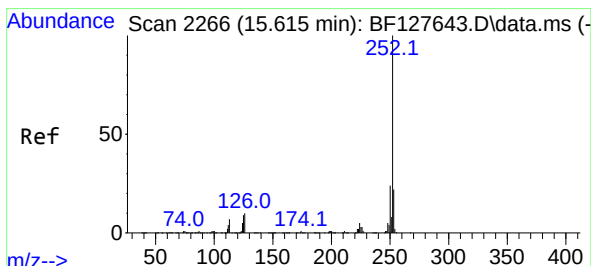
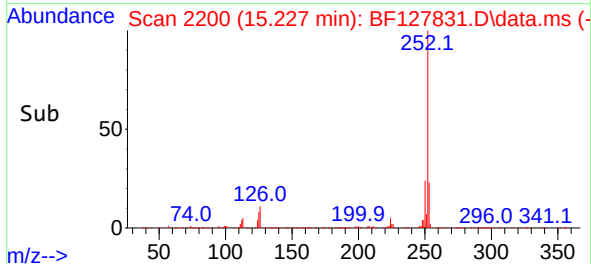
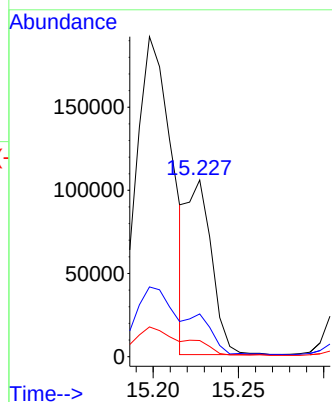
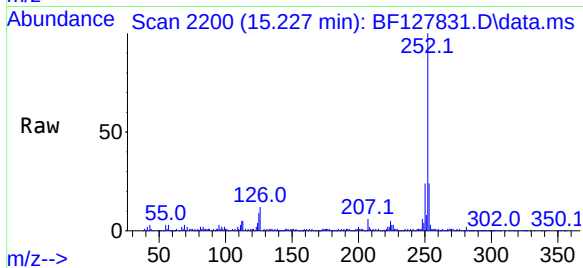
339

Tgt Ion:252 Resp: 105194
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.3 25.9
 125 9.2 6.9 10.3

Manual Integrations

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 Supervised By :Jagrut Upadhyay 04/19/2022



#90

Benzo(a)pyrene

Concen: 12.033 ng

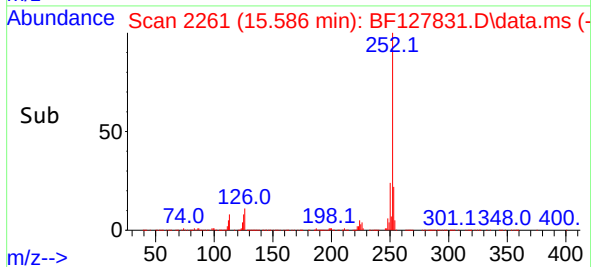
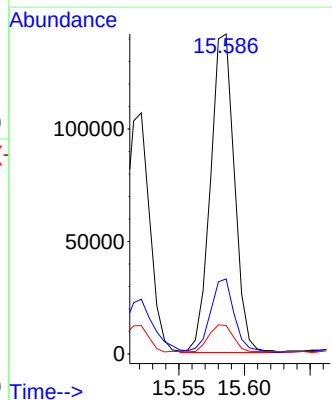
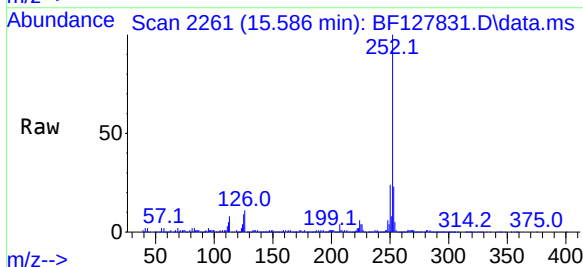
RT: 15.586 min Scan# 2261

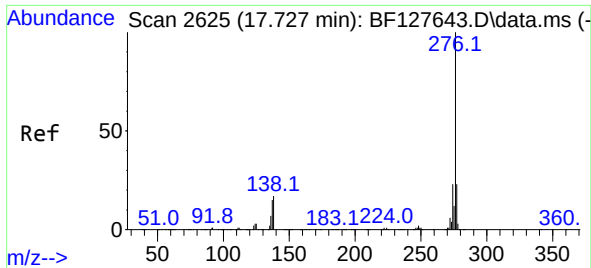
Delta R.T. -0.012 min

Lab File: BF127831.D

Acq: 18 Apr 2022 18:01

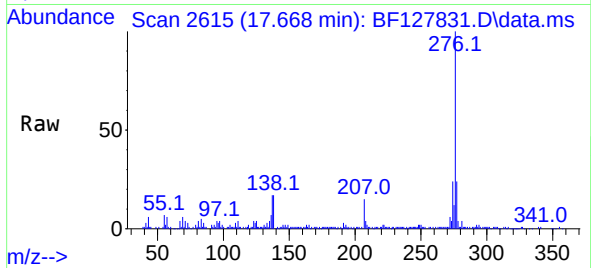
Tgt Ion:252 Resp: 180239
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.0 25.6
 125 8.9 6.7 10.1





#92
 Benzo(g,h,i)perylene
 Concen: 5.805 ng
 RT: 17.668 min Scan# 20
 Delta R.T. -0.035 min
 Lab File: BF127831.D
 Acq: 18 Apr 2022 18:01

Instrument :
 BNA_F
 ClientSampleId :
 339



Tgt Ion: 276 Resp: 8631
 Ion Ratio Lower Upper
 276 100
 277 24.4 19.0 28.4
 138 17.0 14.6 22.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/19/2022
 Supervised By : Jagrut Upadhyay 04/19/2022

