

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
 Data File : BF127966.D
 Acq On : 28 Apr 2022 01:09
 Operator : CG\JU
 Sample : N2560-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2827

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/28/2022
 Supervised By : Jagrut Upadhyay 04/28/2022

Quant Time: Apr 28 05:18:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	101340	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	377741	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	189714	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	284975	20.000	ng	0.00
76) Chrysene-d12	14.110	240	229607	20.000	ng	0.00
86) Perylene-d12	15.616	264	256266	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	815139	128.117	ng	0.00
7) Phenol-d6	6.551	99	1054037	127.674	ng	-0.01
23) Nitrobenzene-d5	7.492	82	776236	96.632	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	220853	115.642	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1172169	104.526	ng	0.00
79) Terphenyl-d14	13.051	244	952859	75.885	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.234	128	38506	2.001	ng	98
71) Phenanthrene	11.486	178	112848	7.565	ng	99
75) Fluoranthene	12.675	202	127267	8.106	ng	99
78) Pyrene	12.904	202	103728	5.596	ng	97
81) Benzo(a)anthracene	14.098	228	64053	4.185	ng	97
83) Chrysene	14.133	228	65877	4.507	ng	96
87) Indeno(1,2,3-cd)pyrene	17.145	276	47288	2.765	ng	97
88) Benzo(b)fluoranthene	15.168	252	98872m	6.143	ng	
89) Benzo(k)fluoranthene	15.198	252	33095m	2.041	ng	
90) Benzo(a)pyrene	15.551	252	69935	5.238	ng	99
92) Benzo(g,h,i)perylene	17.615	276	42905	2.968	ng	98

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

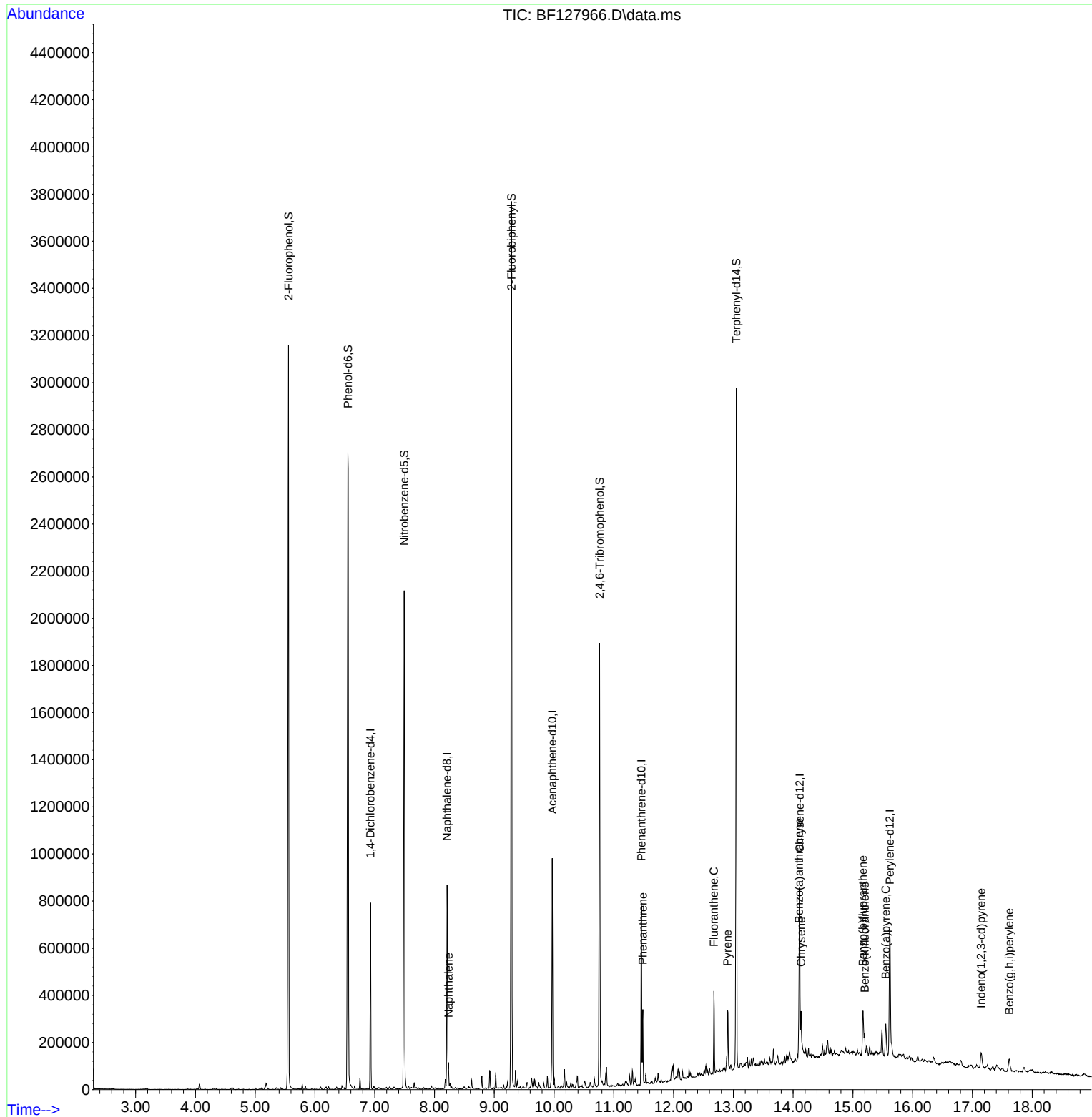
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127966.D
Acq On : 28 Apr 2022 01:09
Operator : CG\JU
Sample : N2560-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

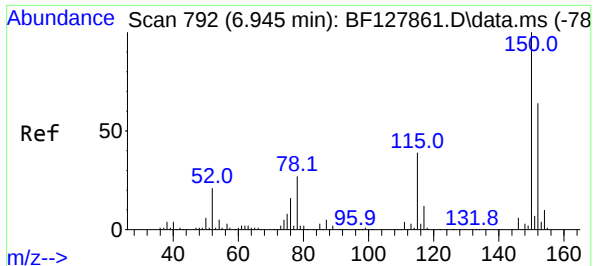
Instrument :
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2827

Quant Time: Apr 28 05:18:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
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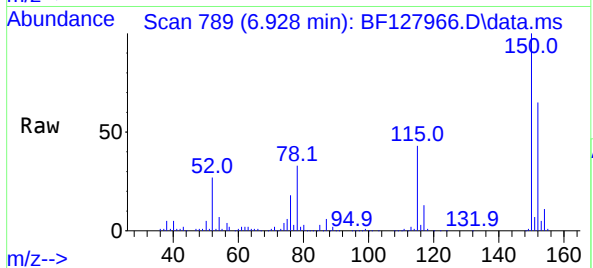
Reviewed By : Christian Giraldo 04/28/2022
Supervised By : Jagrut Upadhyay 04/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09

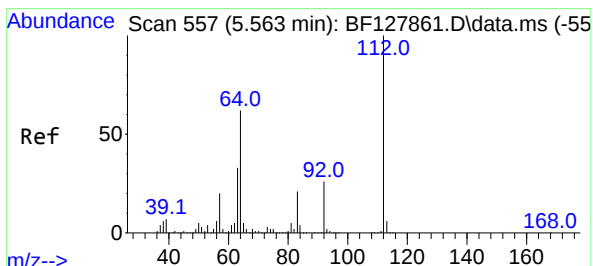
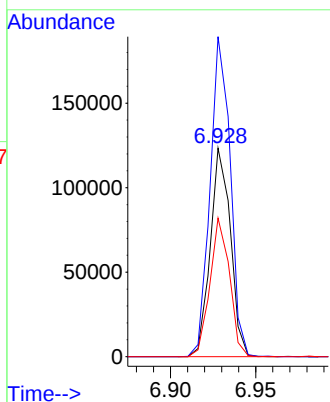
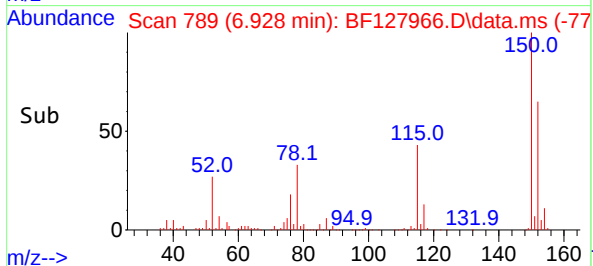
Instrument :
BNA_F
ClientSampleId :
2827



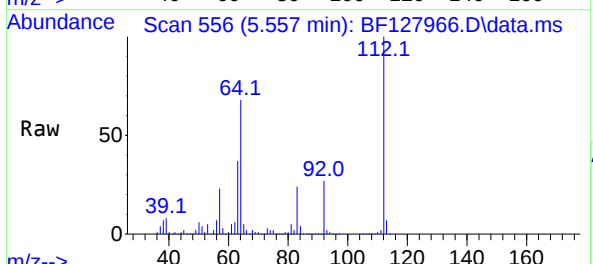
Tgt Ion:152 Resp: 101340
Ion Ratio Lower Upper
152 100
150 153.4 125.3 187.9
115 66.4 48.8 73.2

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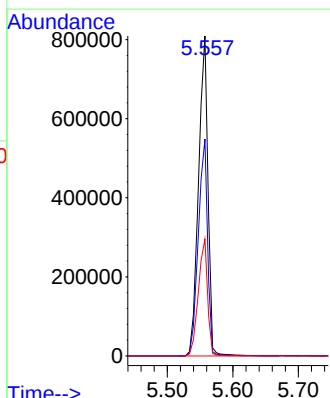
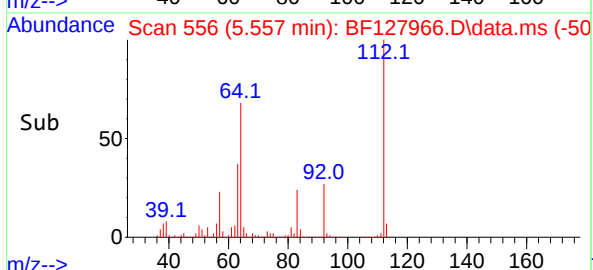
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022

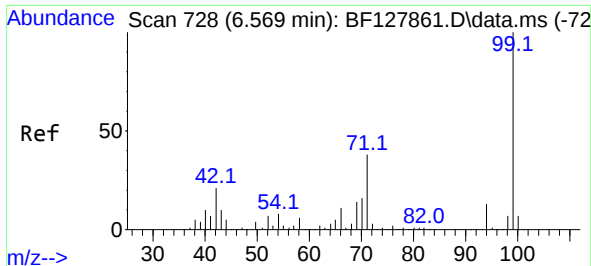


#5
2-Fluorophenol
Concen: 128.117 ng
RT: 5.557 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09



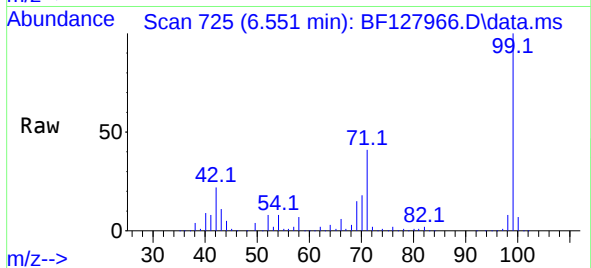
Tgt Ion:112 Resp: 815139
Ion Ratio Lower Upper
112 100
64 67.8 49.5 74.3
63 36.6 26.3 39.5





#7
Phenol-d6
Concen: 127.674 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09

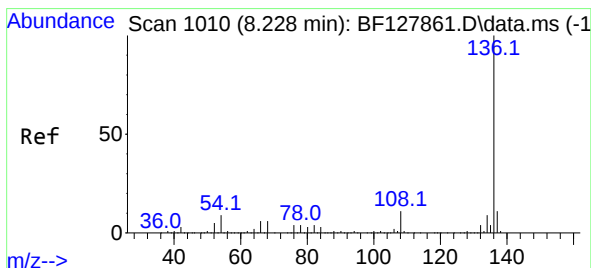
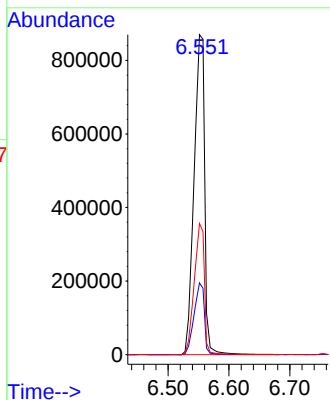
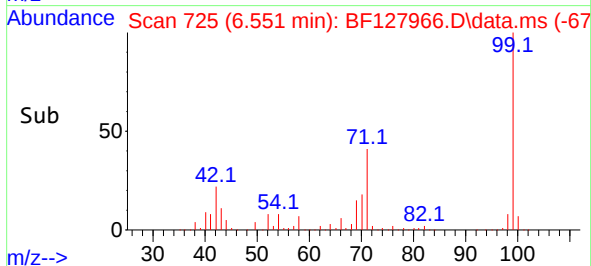
Instrument :
BNA_F
ClientSampleId :
2827



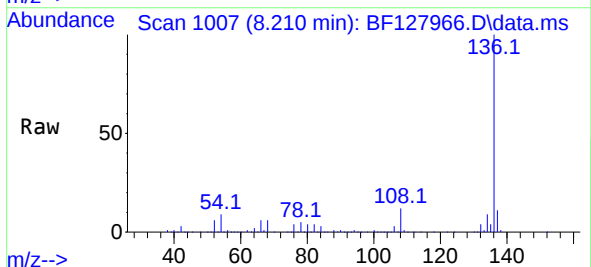
Tgt Ion: 99 Resp: 105403
Ion Ratio Lower Upper
99 100
42 22.4 16.6 24.8
71 41.0 30.0 45.0

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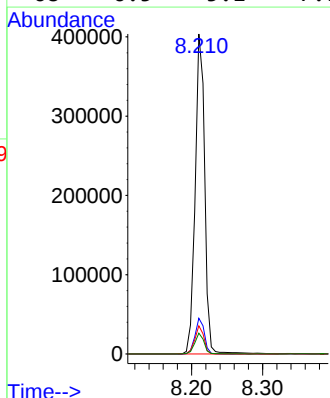
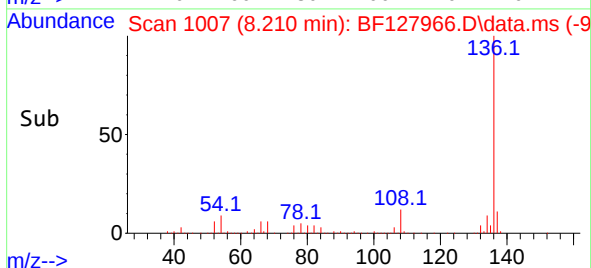
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022

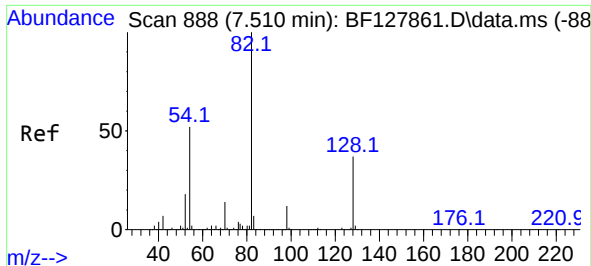


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09



Tgt Ion:136 Resp: 377741
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.8 6.8 10.2
68 6.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 96.632 ng

RT: 7.492 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127966.D

Acq: 28 Apr 2022 01:09

Instrument :

BNA_F

ClientSampleId :

2827

Tgt Ion: 82 Resp: 776230

Ion Ratio Lower Upper

82 100

128 36.6 30.0 45.0

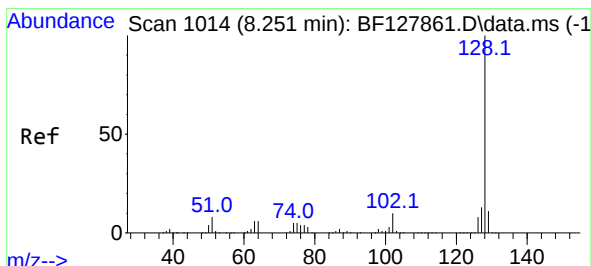
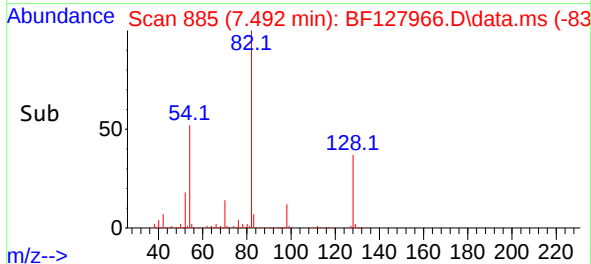
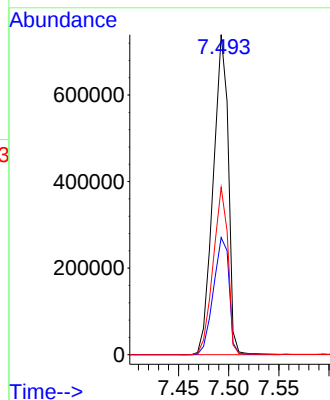
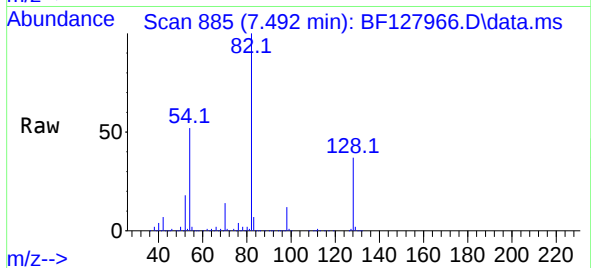
54 52.3 41.3 61.9

Manual Integrations

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#31

Naphthalene

Concen: 2.001 ng

RT: 8.234 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF127966.D

Acq: 28 Apr 2022 01:09

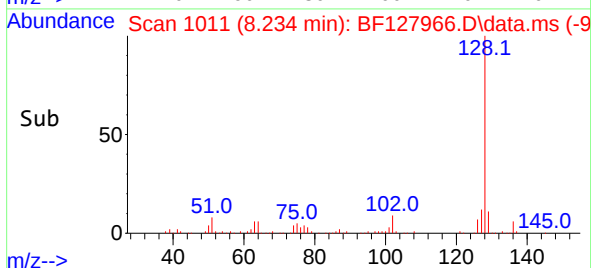
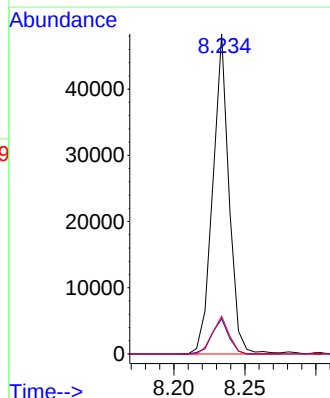
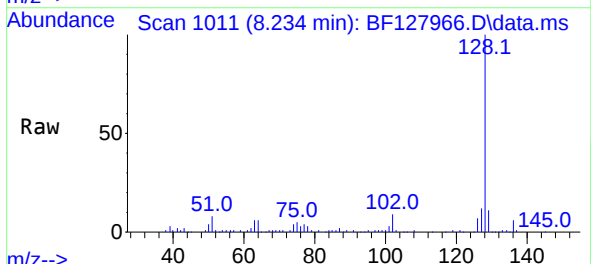
Tgt Ion:128 Resp: 38506

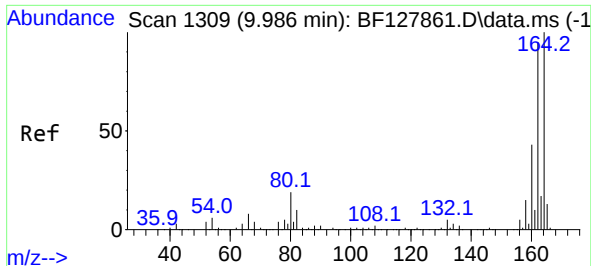
Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

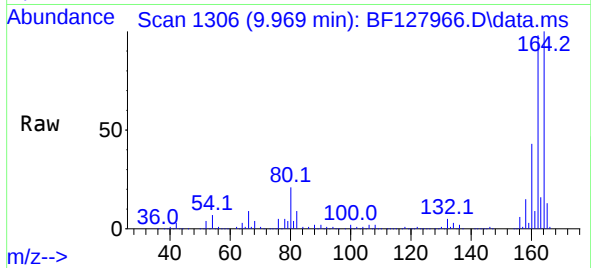
127 11.8 10.6 16.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09

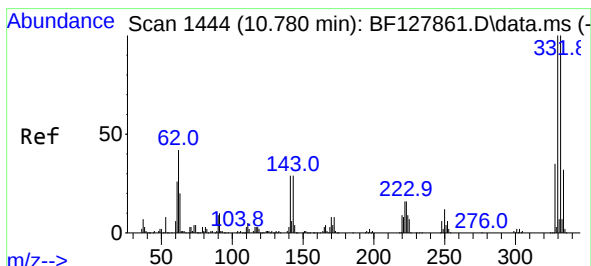
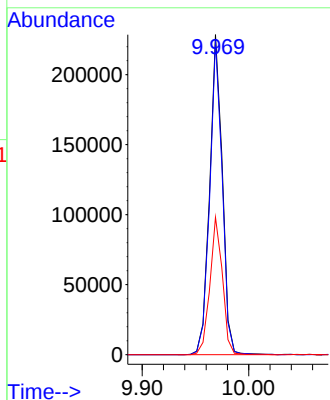
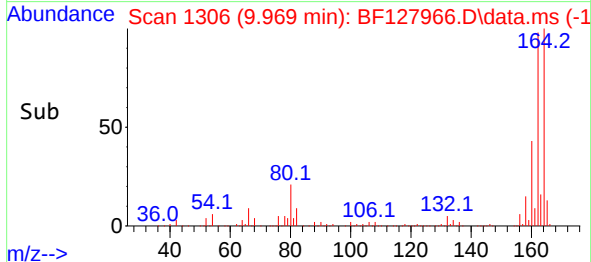
Instrument :
BNA_F
ClientSampleId :
2827



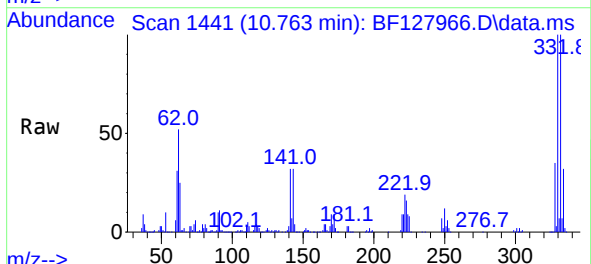
Tgt Ion:164 Resp: 189714
Ion Ratio Lower Upper
164 100
162 98.1 76.0 114.0
160 43.0 34.8 52.2

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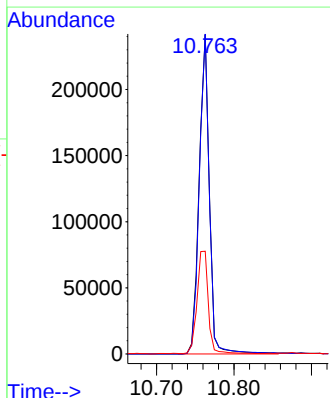
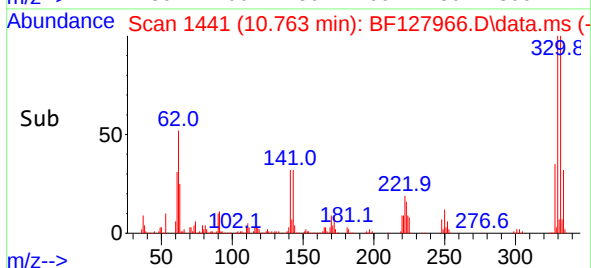
Reviewed By :Christian Giraldo 04/28/2022
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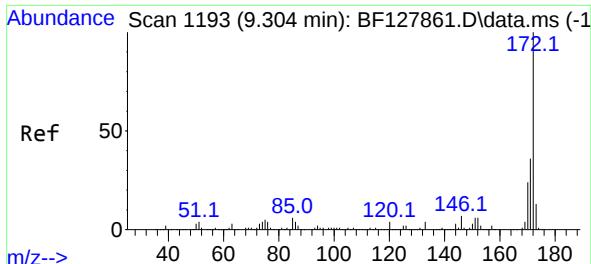


#42
2,4,6-Tribromophenol
Concen: 115.642 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09



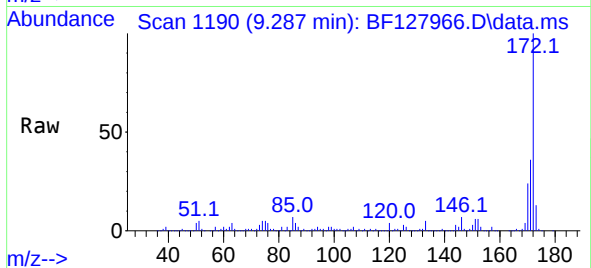
Tgt Ion:330 Resp: 220853
Ion Ratio Lower Upper
330 100
332 98.8 79.0 118.4
141 36.3 28.9 43.3





#45
2-Fluorobiphenyl
Concen: 104.526 ng
RT: 9.287 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09

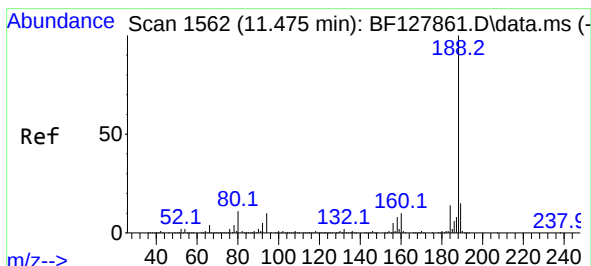
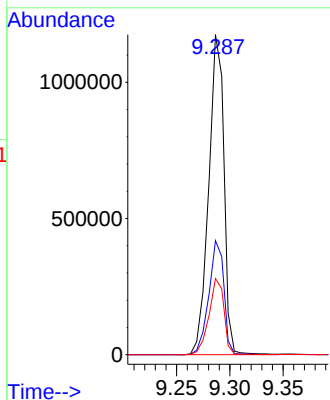
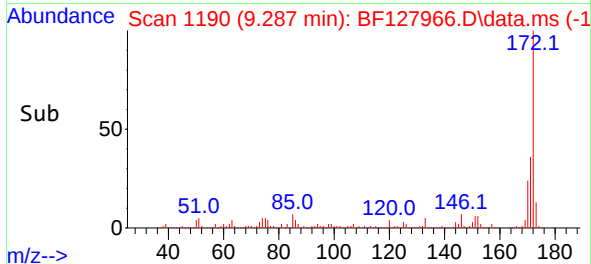
Instrument :
BNA_F
ClientSampleId :
2827



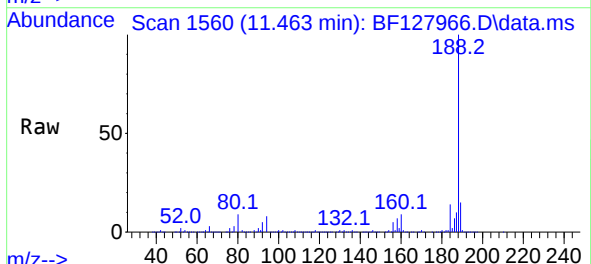
Tgt Ion:172 Resp: 1172169
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 23.8 19.1 28.7

Manual Integrations
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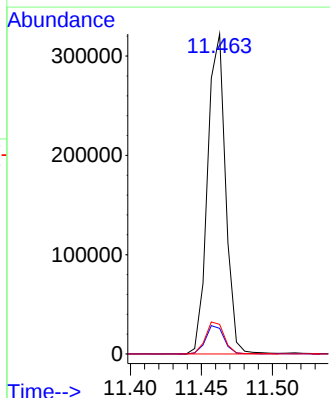
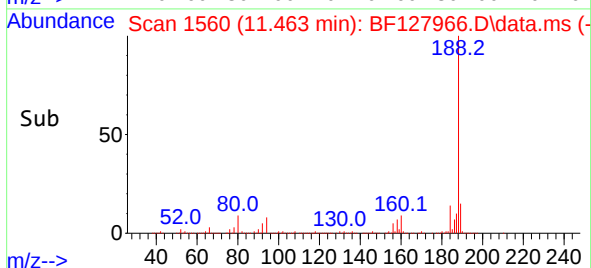
Reviewed By :Christian Giraldo 04/28/2022
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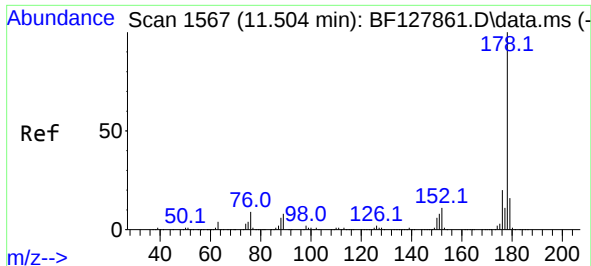


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09



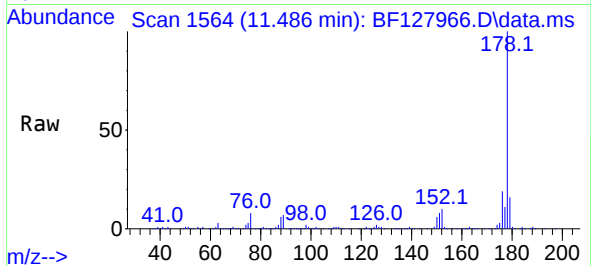
Tgt Ion:188 Resp: 284975
Ion Ratio Lower Upper
188 100
94 8.0 8.0 12.0
80 9.2 8.9 13.3





#71
Phenanthrene
Concen: 7.565 ng
RT: 11.486 min Scan# 11284
Delta R.T. -0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09

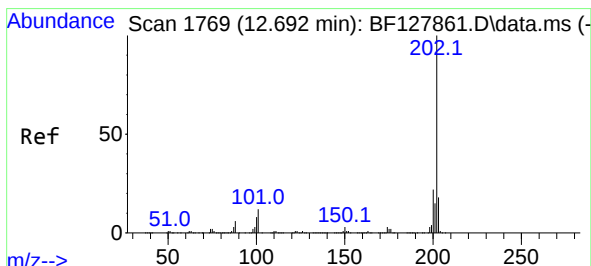
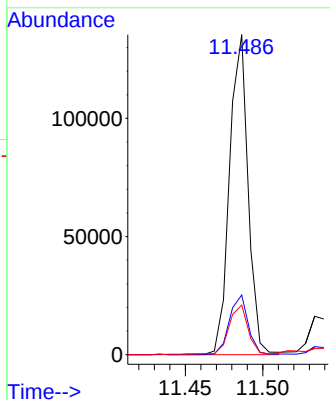
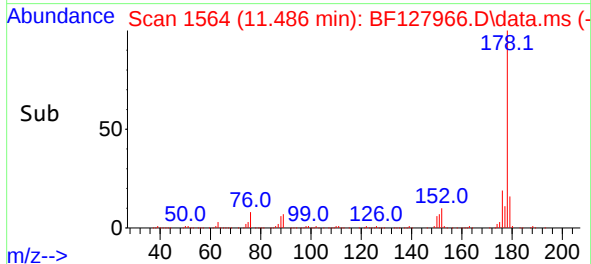
Instrument :
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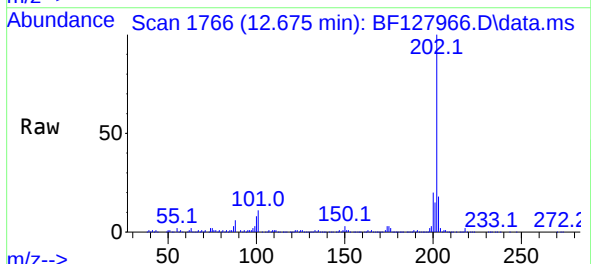
Tgt Ion:178 Resp: 11284
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.5 12.6 19.0

Manual Integrations
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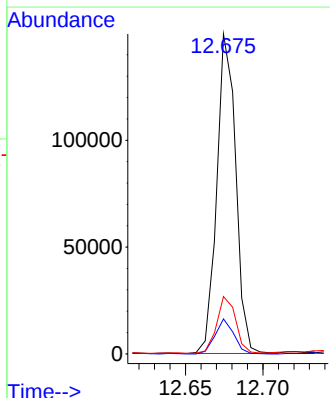
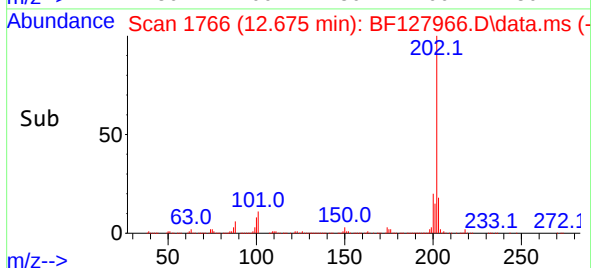
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022

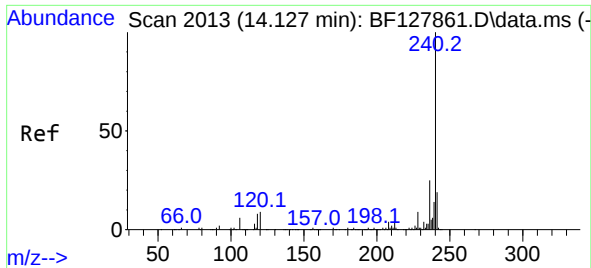


#75
Fluoranthene
Concen: 8.106 ng
RT: 12.675 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09



Tgt Ion:202 Resp: 127267
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.6
203 17.9 0.0 38.1





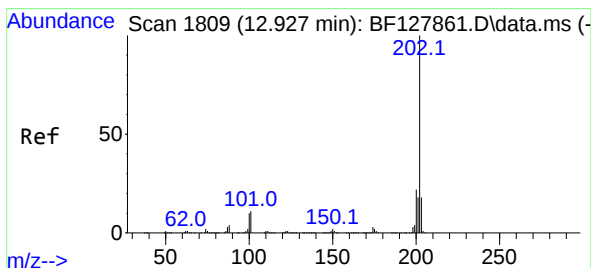
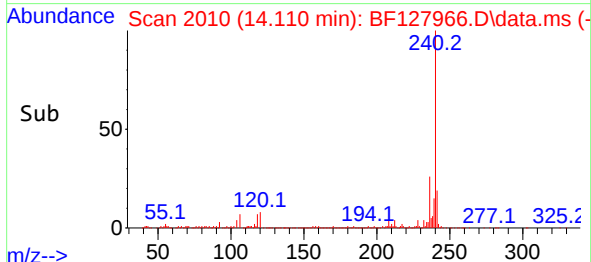
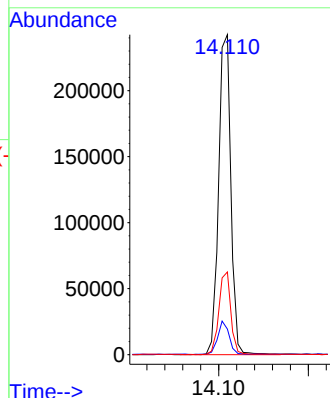
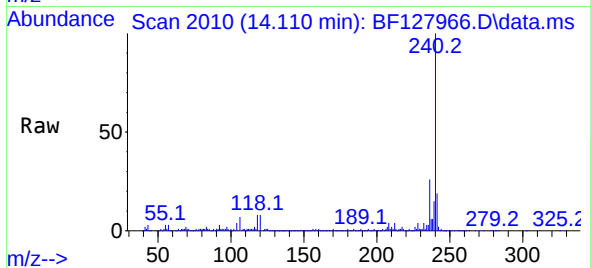
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09

Instrument :
BNA_F
ClientSampleId :
2827

Tgt Ion:240 Resp: 22960
Ion Ratio Lower Upper
240 100
120 8.0 7.0 10.6
236 25.8 20.3 30.5

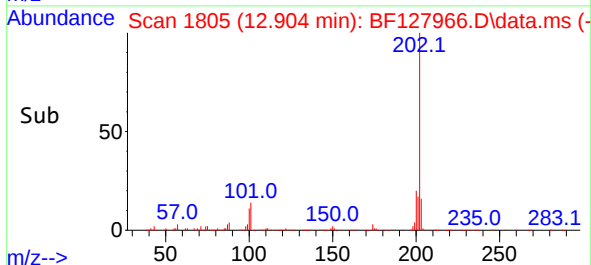
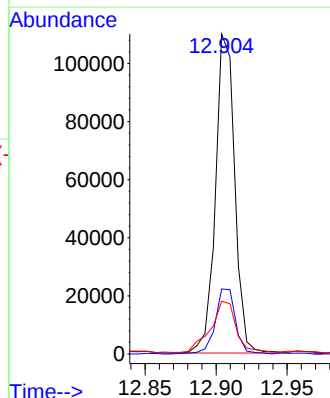
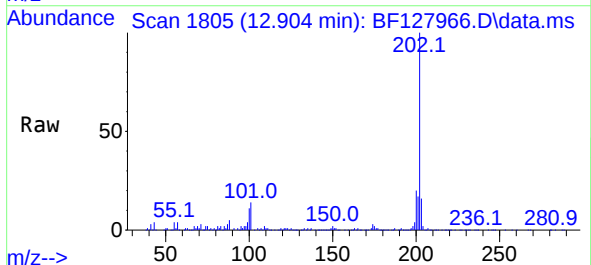
Manual Integrations
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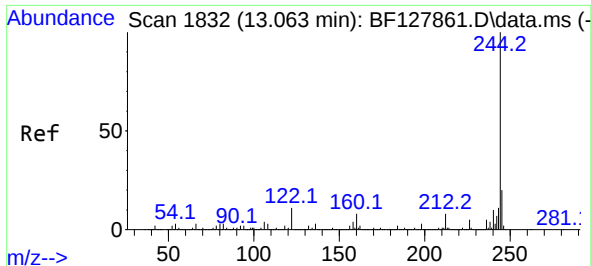
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#78
Pyrene
Concen: 5.596 ng
RT: 12.904 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09

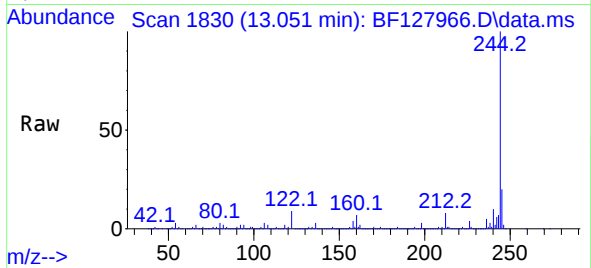
Tgt Ion:202 Resp: 103728
Ion Ratio Lower Upper
202 100
200 20.3 17.4 26.2
203 16.5 14.0 21.0





#79
Terphenyl-d14
Concen: 75.885 ng
RT: 13.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09

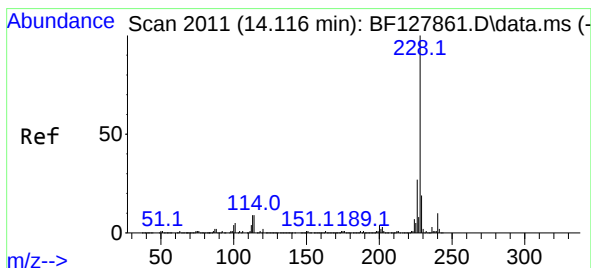
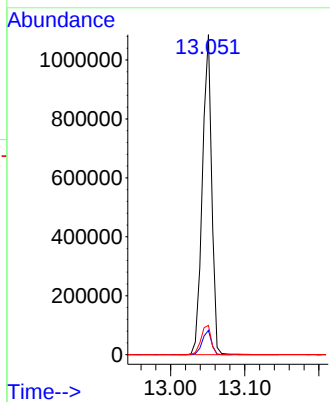
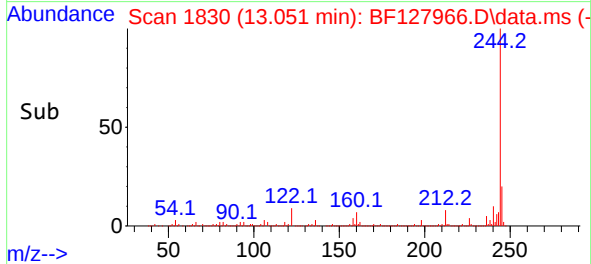
Instrument :
BNA_F
ClientSampleId :
2827



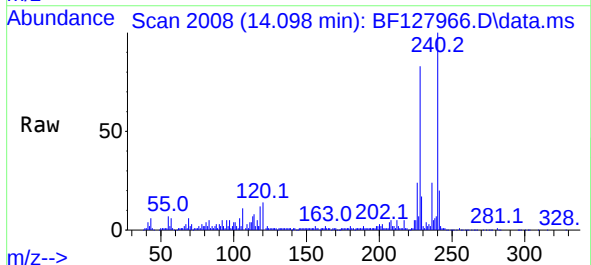
Tgt Ion:244 Resp: 952859
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.4
122 9.2 8.6 12.8

Manual Integrations
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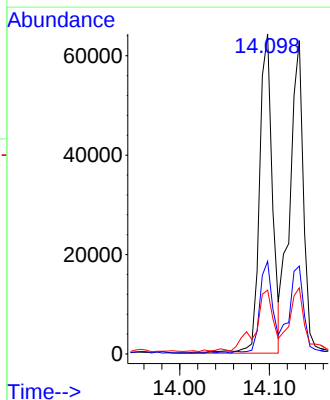
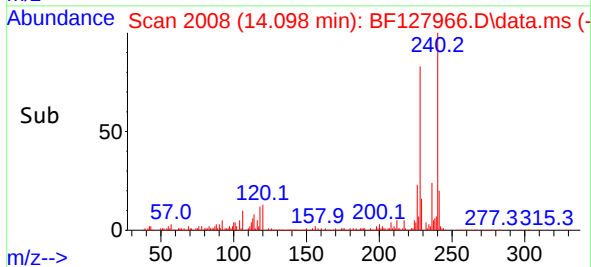
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022

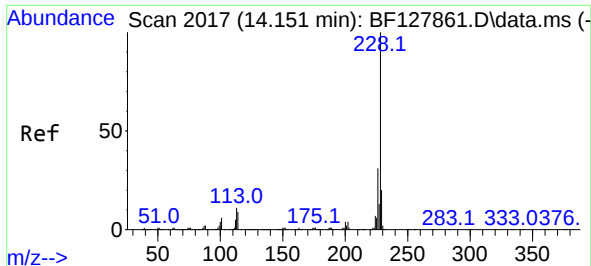


#81
Benzo(a)anthracene
Concen: 4.185 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09



Tgt Ion:228 Resp: 64053
Ion Ratio Lower Upper
228 100
226 28.9 21.7 32.5
229 19.9 15.4 23.2





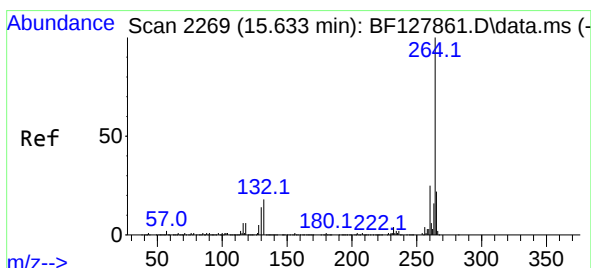
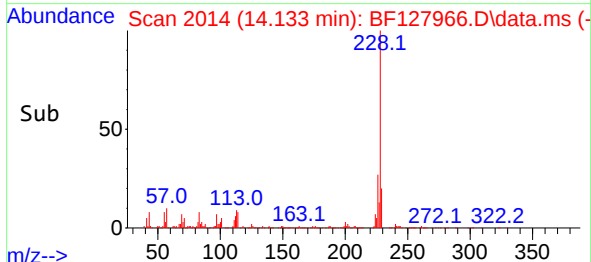
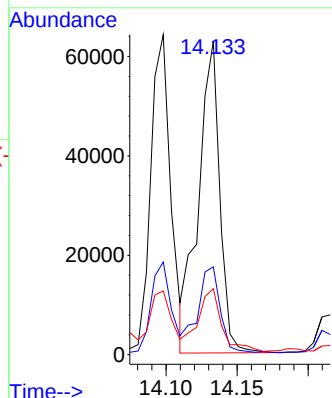
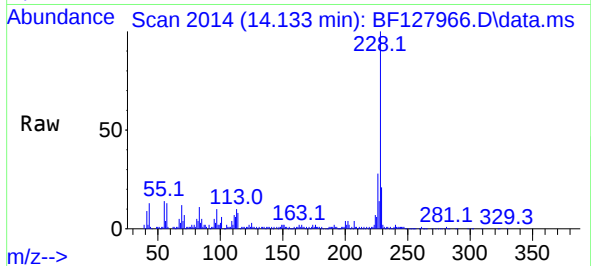
#83
Chrysene
Concen: 4.507 ng
RT: 14.133 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09

Instrument :
BNA_F
ClientSampleId :
2827

Tgt Ion:228 Resp: 6587
Ion Ratio Lower Upper
228 100
226 28.0 24.4 36.6
229 21.1 15.8 23.8

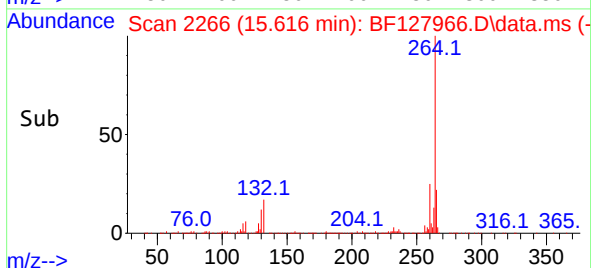
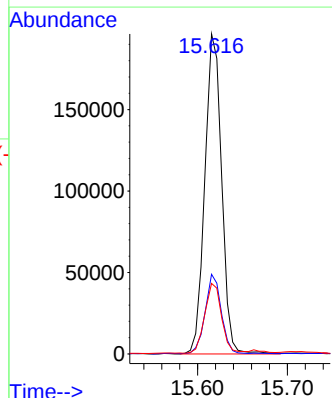
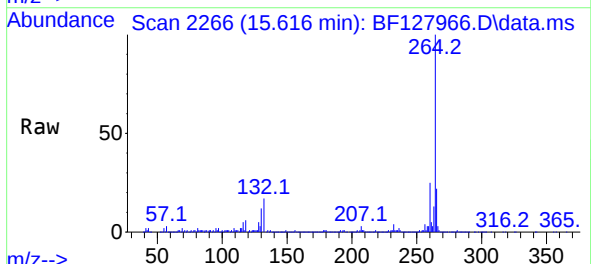
Manual Integrations
APPROVED

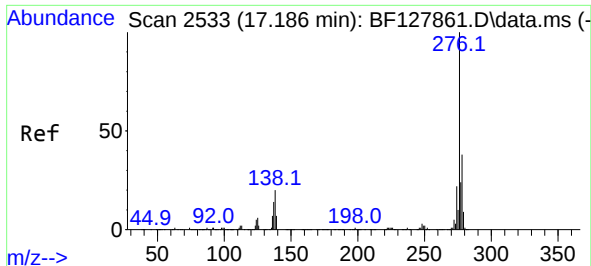
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.616 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09

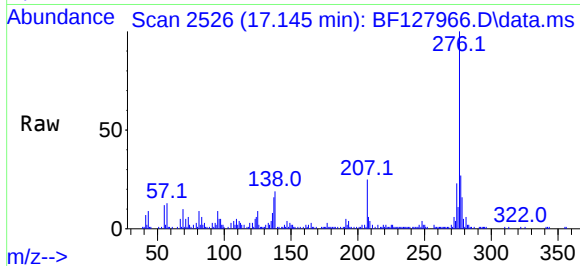
Tgt Ion:264 Resp: 256266
Ion Ratio Lower Upper
264 100
260 24.9 20.1 30.1
265 22.1 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.765 ng
RT: 17.145 min Scan# 2190
Delta R.T. -0.023 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09

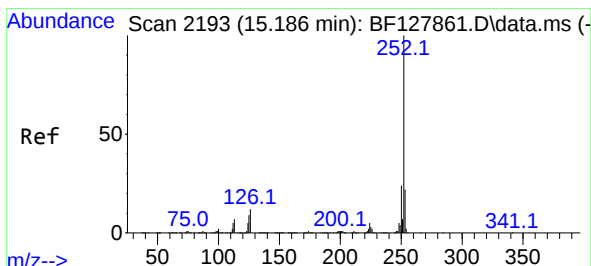
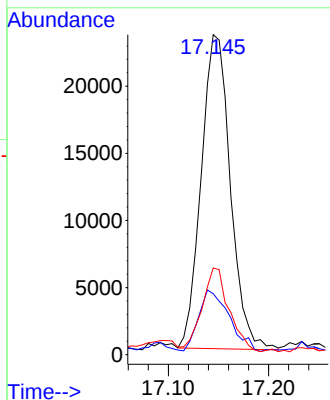
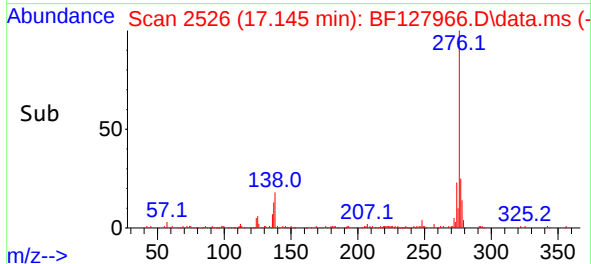
Instrument :
BNA_F
ClientSampleId :
2827



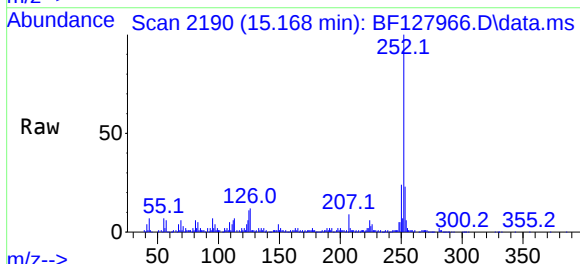
Tgt Ion: 276 Resp: 47288
Ion Ratio Lower Upper
276 100
138 20.6 19.0 28.4
277 25.2 20.1 30.1

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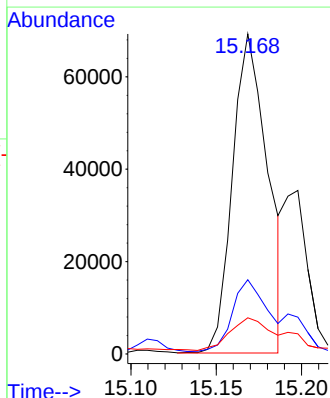
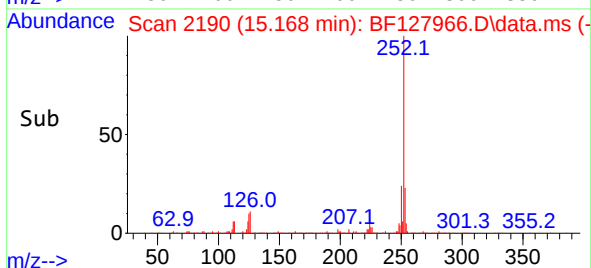
Reviewed By : Christian Giraldo 04/28/2022
Supervised By : Jagrut Upadhyay 04/28/2022

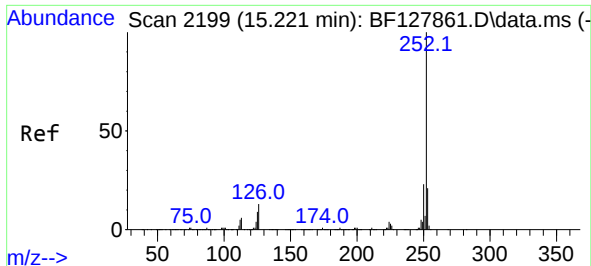


#88
Benzo(b)fluoranthene
Concen: 6.143 ng m
RT: 15.168 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BF127966.D
Acq: 28 Apr 2022 01:09



Tgt Ion: 252 Resp: 98872
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 11.3 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 2.041 ng m

RT: 15.198 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF127966.D

Acq: 28 Apr 2022 01:09

Instrument :

BNA_F

ClientSampleId :

2827

Tgt Ion:252 Resp: 33095

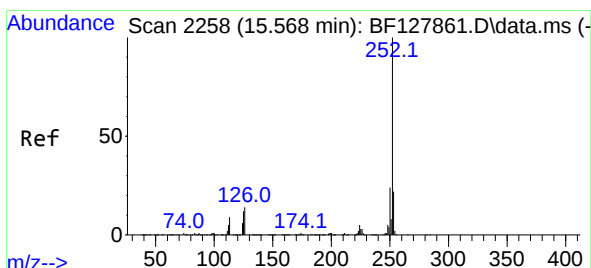
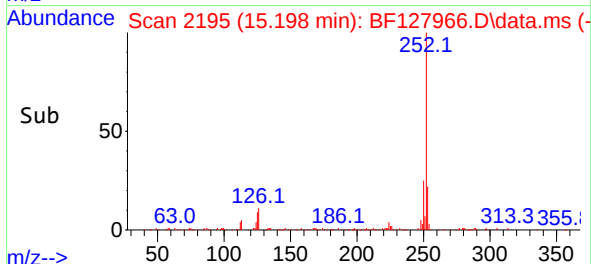
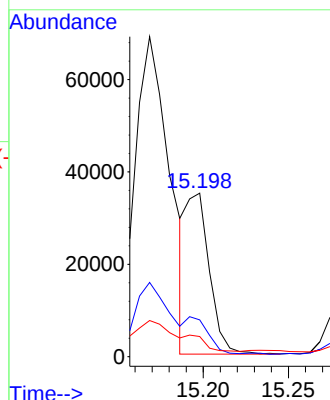
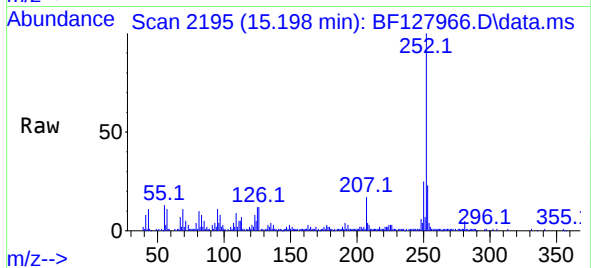
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.4
125	12.3	6.8	10.2

Manual Integrations

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Reviewed By :Christian Giraldo 04/28/2022

Supervised By :Jagrut Upadhyay 04/28/2022



#90

Benzo(a)pyrene

Concen: 5.238 ng

RT: 15.551 min Scan# 2255

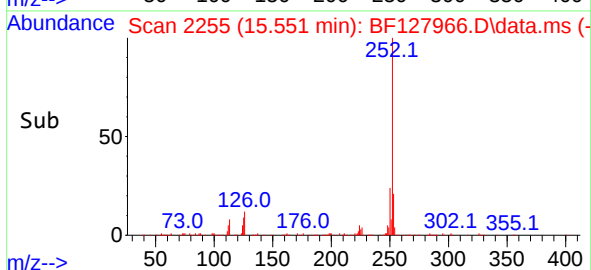
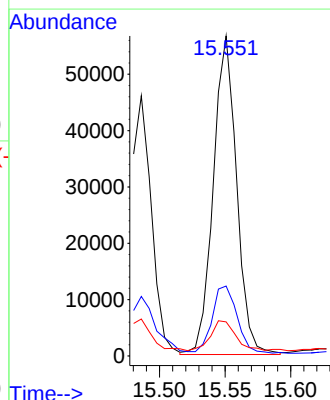
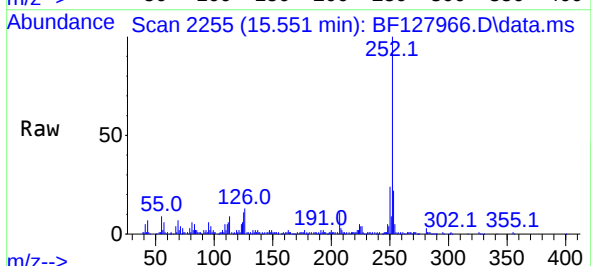
Delta R.T. -0.006 min

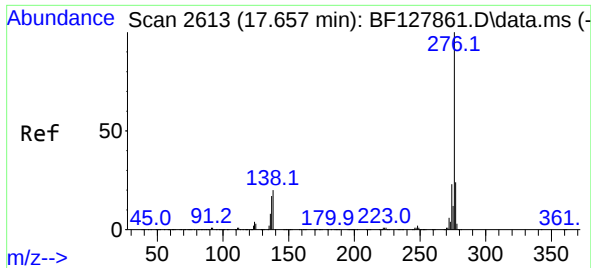
Lab File: BF127966.D

Acq: 28 Apr 2022 01:09

Tgt Ion:252 Resp: 69935

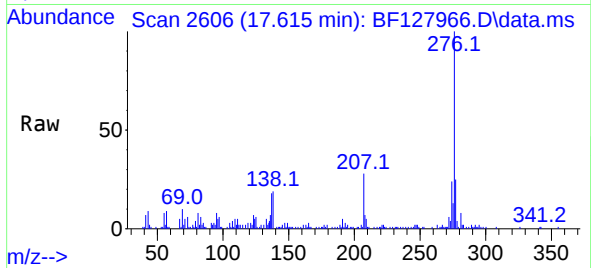
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.7	9.2	13.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.968 ng
 RT: 17.615 min Scan# 20
 Delta R.T. -0.023 min
 Lab File: BF127966.D
 Acq: 28 Apr 2022 01:09

Instrument :
 BNA_F
 ClientSampleId :
 2827



Tgt Ion: 276 Resp: 4290
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.8 28.2
 138 19.2 16.2 24.2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/28/2022
 Supervised By : Jagrut Upadhyay 04/28/2022

