

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
 Data File : BF127899.D
 Acq On : 26 Apr 2022 00:08
 Operator : CG\JU
 Sample : N2476-05DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-041922DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/27/2022
 Supervised By : Jagrut Upadhyay 04/28/2022

Quant Time: Apr 26 05:41:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	165516	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	628105	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	330132	20.000	ng	0.00
64) Phenanthrene-d10	11.475	188	510733	20.000	ng	0.00
76) Chrysene-d12	14.121	240	324790	20.000	ng	0.00
86) Perylene-d12	15.639	264	347373	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	95380	9.179	ng	-0.01
7) Phenol-d6	6.551	99	122647	9.096	ng	-0.02
23) Nitrobenzene-d5	7.498	82	78890	5.906	ng	-0.01
42) 2,4,6-Tribromophenol	10.769	330	25636	7.714	ng	-0.01
45) 2-Fluorobiphenyl	9.292	172	145349	7.448	ng	-0.01
79) Terphenyl-d14	13.057	244	102360	5.763	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.245	128	197616	6.177	ng	98
37) 2-Methylnaphthalene	8.933	142	95957	4.539	ng	100
38) 1-Methylnaphthalene	9.033	142	81880	3.984	ng	99
49) Acenaphthylene	9.845	152	113206	3.975	ng	98
52) Acenaphthene	10.016	154	208398m	10.885	ng	
55) Dibenzofuran	10.186	168	244634	8.857	ng	97
58) Fluorene	10.533	166	318565m	15.456	ng	
71) Phenanthrene	11.504	178	1402371	52.455	ng	100
72) Anthracene	11.551	178	483105	18.140	ng	99
73) Carbazole	11.704	167	126071	4.912	ng	99
75) Fluoranthene	12.698	202	1377588	48.960	ng	98
78) Pyrene	12.927	202	1255956	47.903	ng	99
81) Benzo(a)anthracene	14.110	228	619078	28.597	ng	93
83) Chrysene	14.151	228	553991	26.795	ng	99
87) Indeno(1,2,3-cd)pyrene	17.186	276	319025	13.759	ng	96
88) Benzo(b)fluoranthene	15.192	252	806434m	36.962	ng	
89) Benzo(k)fluoranthene	15.215	252	247731m	11.270	ng	
90) Benzo(a)pyrene	15.574	252	604119	33.381	ng	98
91) Dibenzo(a,h)anthracene	17.198	278	80233m	4.315	ng	
92) Benzo(g,h,i)perylene	17.656	276	283708	14.477	ng	100

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

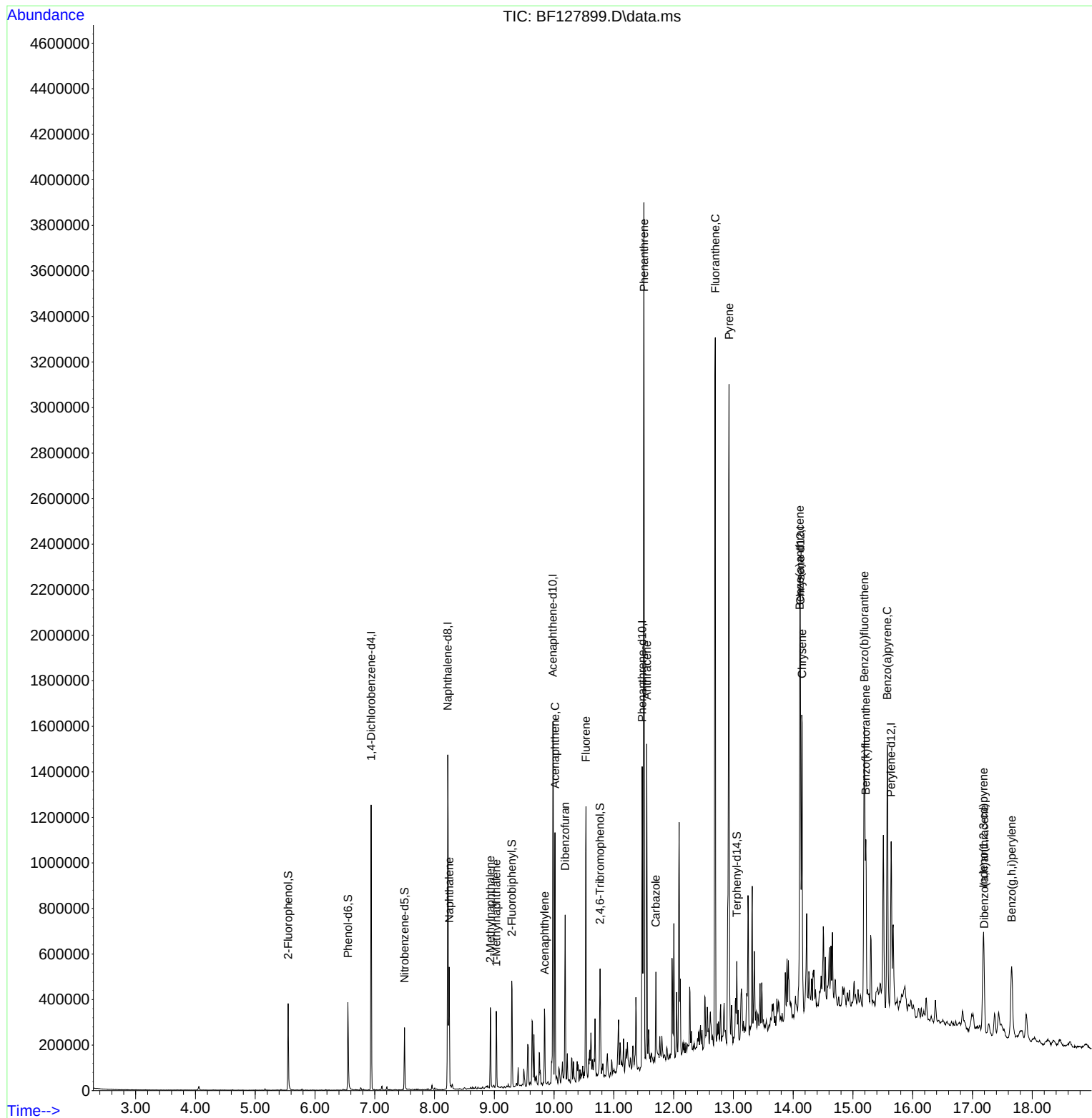
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
Data File : BF127899.D
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ALS Vial : 21 Sample Multiplier: 1

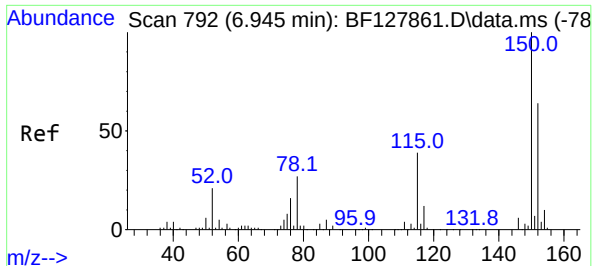
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL

Quant Time: Apr 26 05:41:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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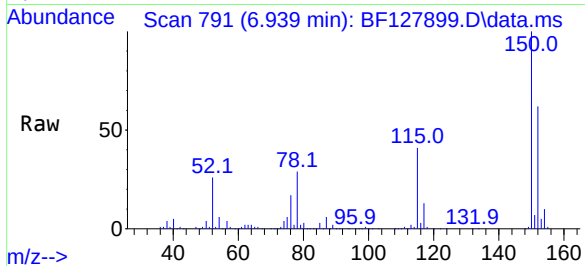
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

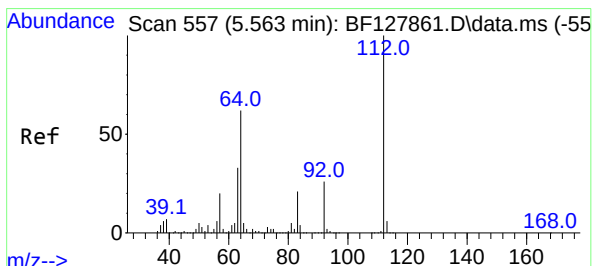
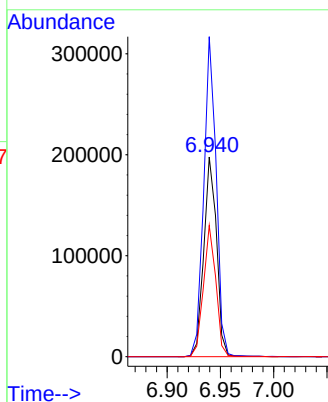
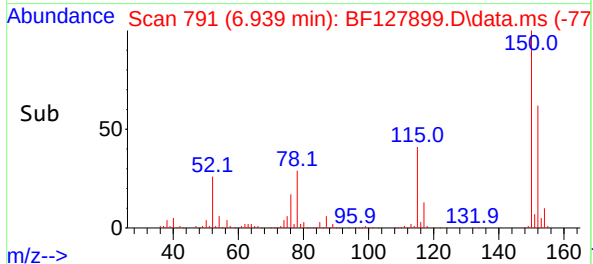
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL



Tgt Ion:152 Resp: 165510
Ion Ratio Lower Upper
152 100
150 160.2 125.3 187.9
115 65.7 48.8 73.2

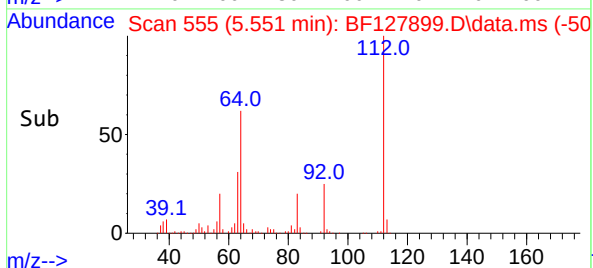
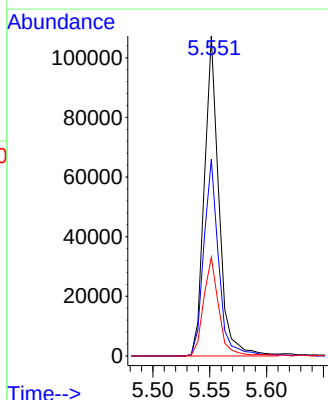
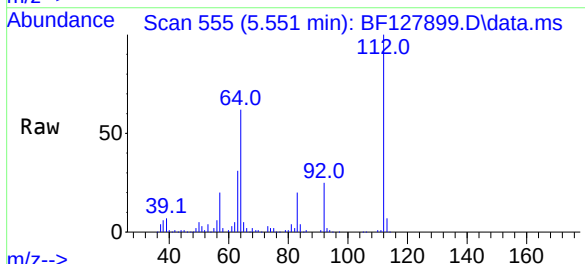
Manual Integrations
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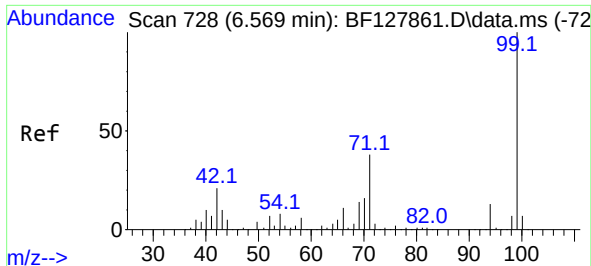
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#5
2-Fluorophenol
Concen: 9.179 ng
RT: 5.551 min Scan# 555
Delta R.T. -0.012 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

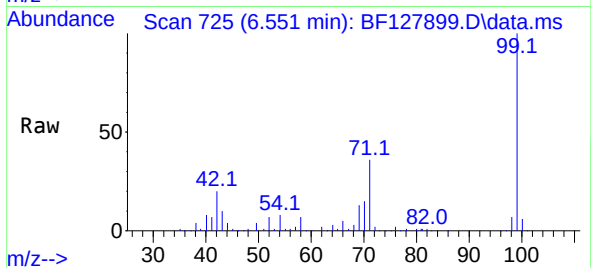
Tgt Ion:112 Resp: 95380
Ion Ratio Lower Upper
112 100
64 61.5 49.5 74.3
63 30.9 26.3 39.5





#7
Phenol-d6
Concen: 9.096 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

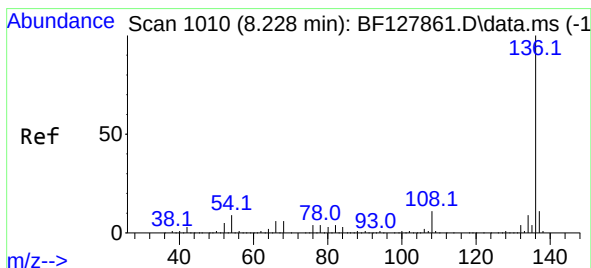
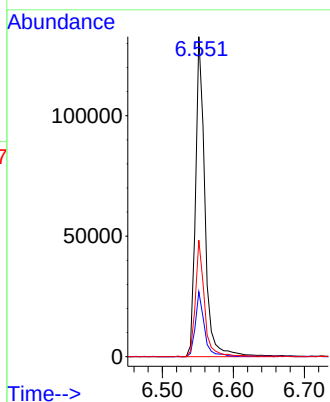
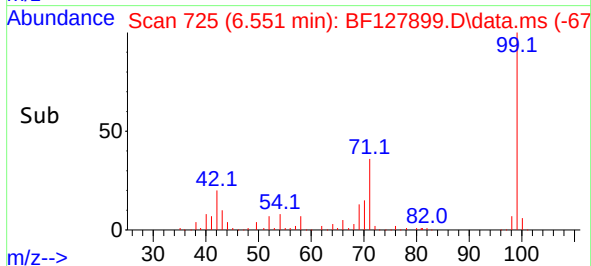
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL



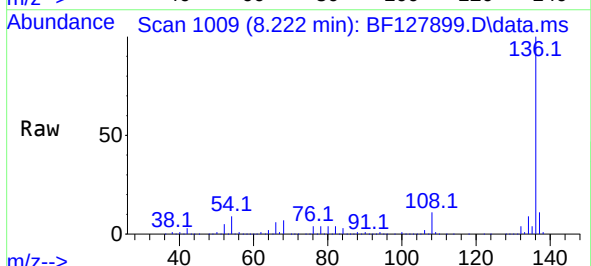
Tgt Ion: 99 Resp: 12264
Ion Ratio Lower Upper
99 100
42 20.3 16.6 24.8
71 36.4 30.0 45.0

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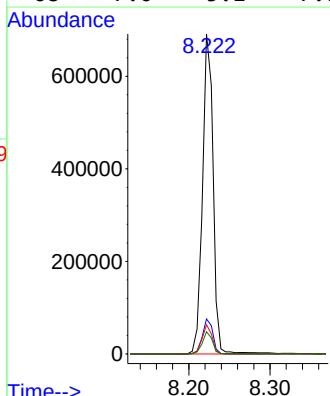
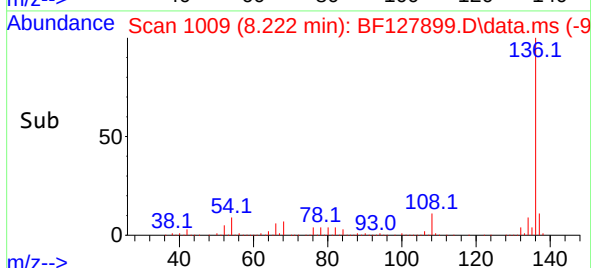
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022

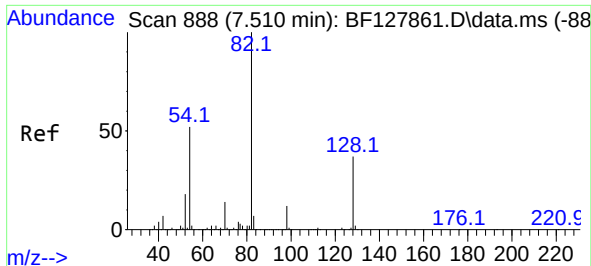


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08



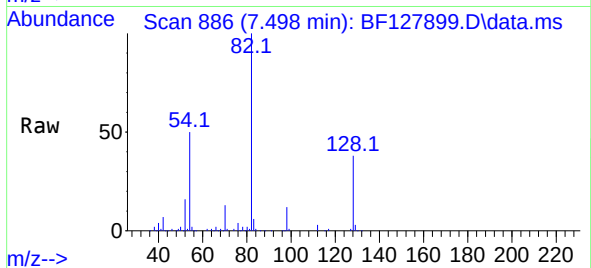
Tgt Ion:136 Resp: 628105
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.1 6.8 10.2
68 7.0 5.1 7.7





#23
Nitrobenzene-d5
Concen: 5.906 ng
RT: 7.498 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

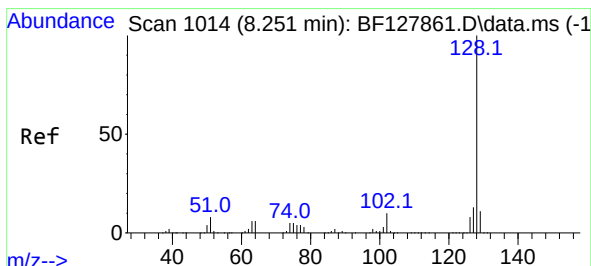
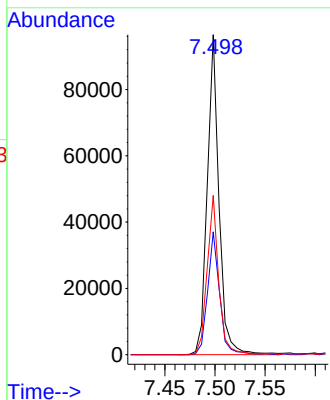
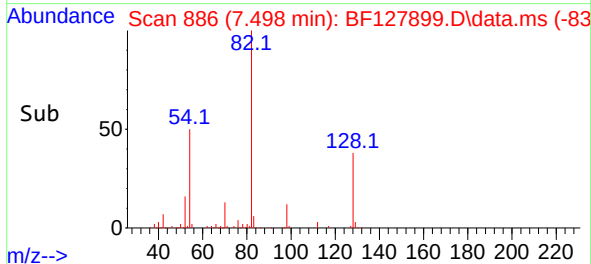
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL



Tgt Ion: 82 Resp: 78890
Ion Ratio Lower Upper
82 100
128 38.4 30.0 45.0
54 49.8 41.3 61.9

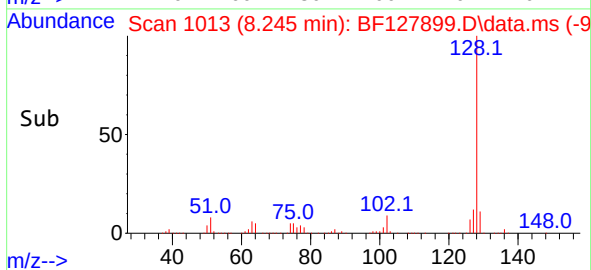
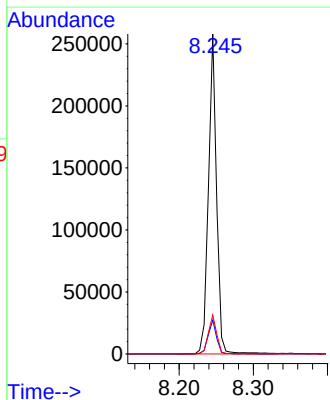
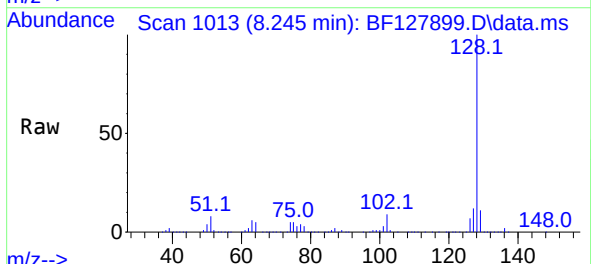
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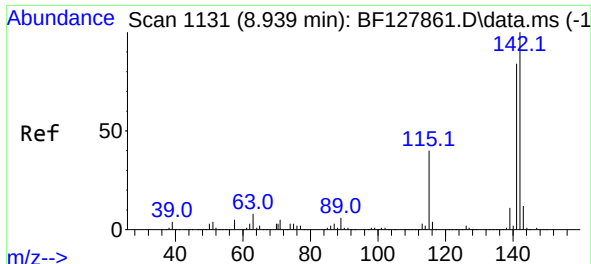
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#31
Naphthalene
Concen: 6.177 ng
RT: 8.245 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Tgt Ion:128 Resp: 197616
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.4
127 12.2 10.6 16.0





#37

2-Methylnaphthalene

Concen: 4.539 ng

RT: 8.933 min Scan# 1131

Delta R.T. -0.006 min

Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

Instrument :

BNA_F

ClientSampleId :

PAT-03-041922DL

Tgt Ion:142 Resp: 9595

Ion Ratio Lower Upper

142 100

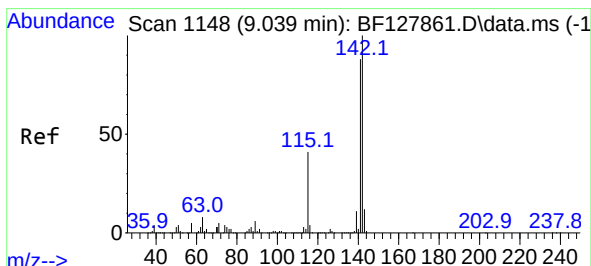
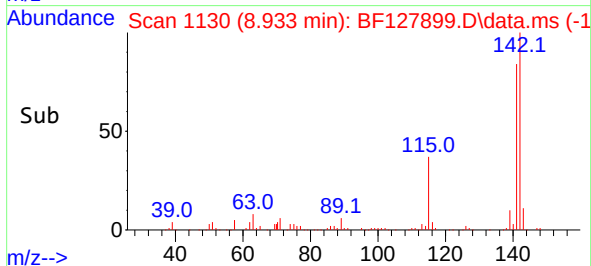
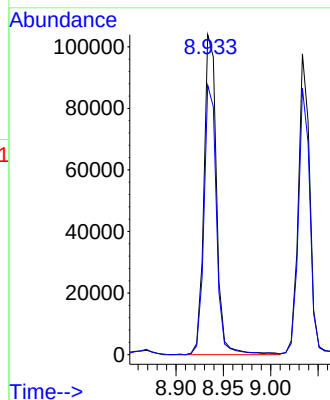
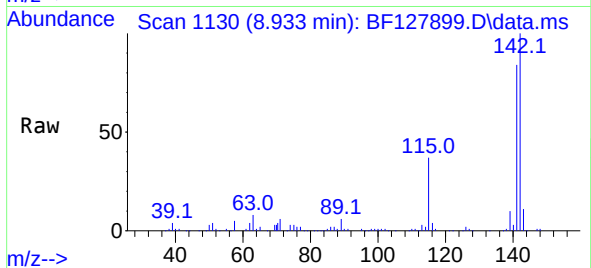
141 84.2 67.4 101.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/28/2022



#38

1-Methylnaphthalene

Concen: 3.984 ng

RT: 9.033 min Scan# 1147

Delta R.T. -0.006 min

Lab File: BF127899.D

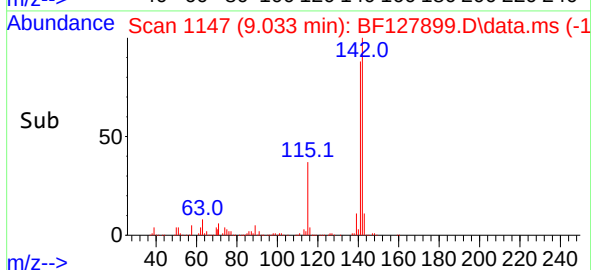
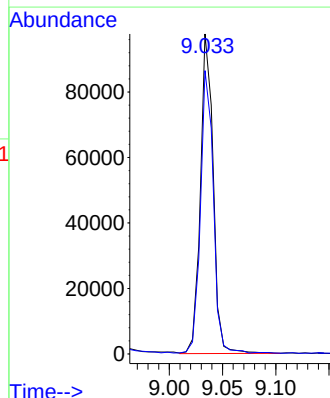
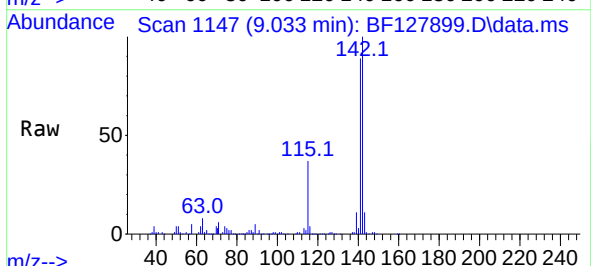
Acq: 26 Apr 2022 00:08

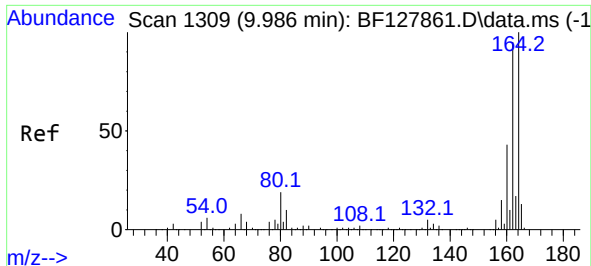
Tgt Ion:142 Resp: 81880

Ion Ratio Lower Upper

142 100

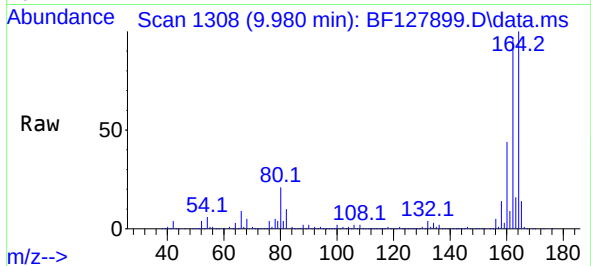
141 88.6 70.1 105.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.980 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

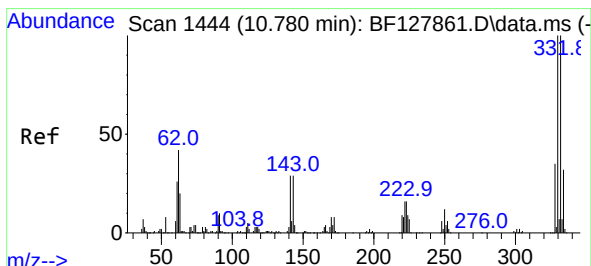
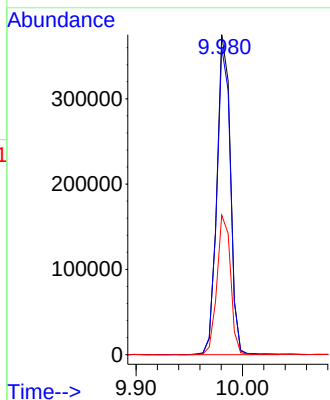
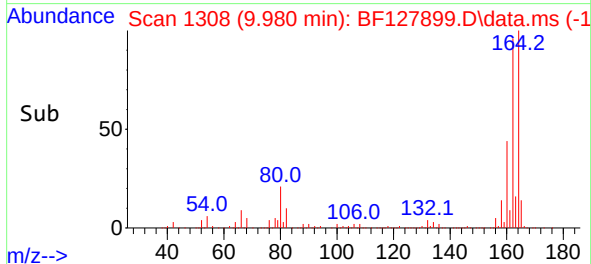
Instrument :
BNA_F
ClientSampleId :
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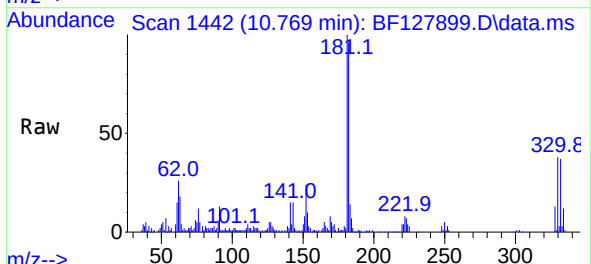
Tgt Ion:164 Resp: 33013
Ion Ratio Lower Upper
164 100
162 96.1 76.0 114.0
160 43.6 34.8 52.2

Manual Integrations
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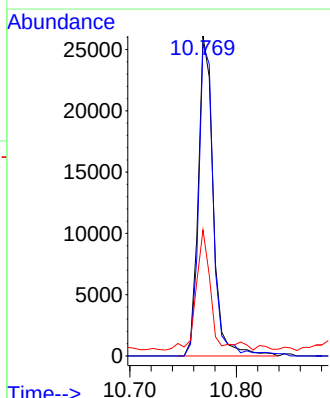
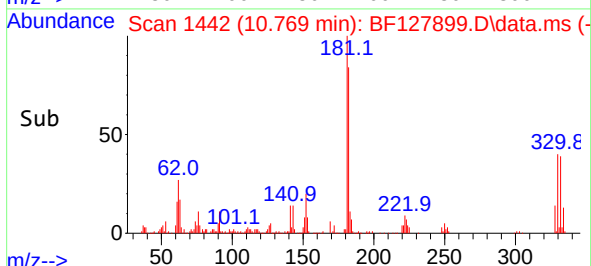
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022

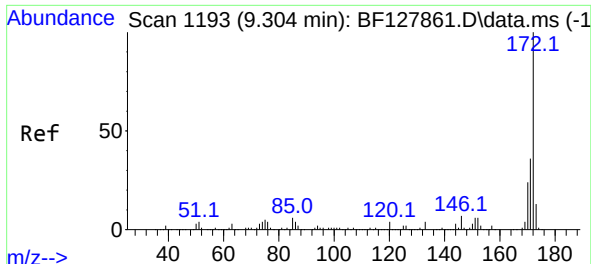


#42
2,4,6-Tribromophenol
Concen: 7.714 ng
RT: 10.769 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08



Tgt Ion:330 Resp: 25636
Ion Ratio Lower Upper
330 100
332 97.4 79.0 118.4
141 35.0 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 7.448 ng

RT: 9.292 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF127899.D

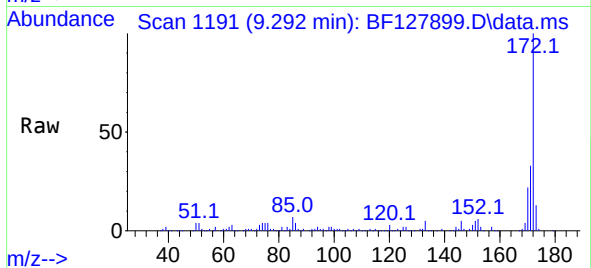
Acq: 26 Apr 2022 00:08

Instrument :

BNA_F

ClientSampleId :

PAT-03-041922DL



Tgt Ion:172 Resp: 145349

Ion Ratio Lower Upper

172 100

171 33.3 28.6 42.8

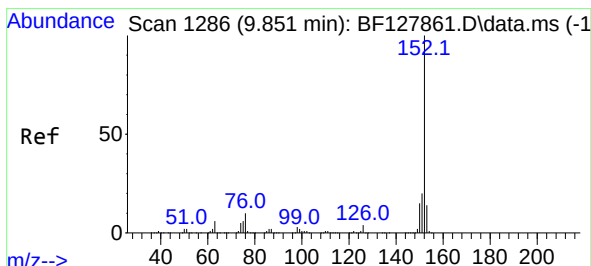
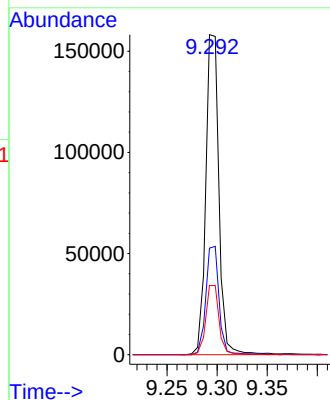
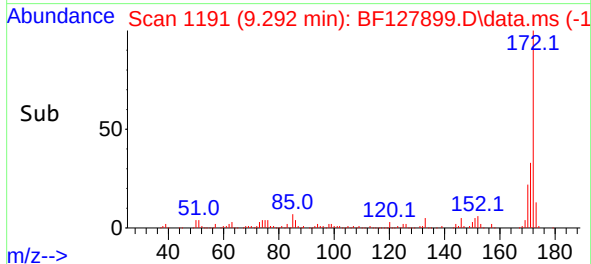
170 21.6 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2022

Supervised By :Jagrut Upadhyay 04/28/2022



#49

Acenaphthylene

Concen: 3.975 ng

RT: 9.845 min Scan# 1285

Delta R.T. -0.006 min

Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

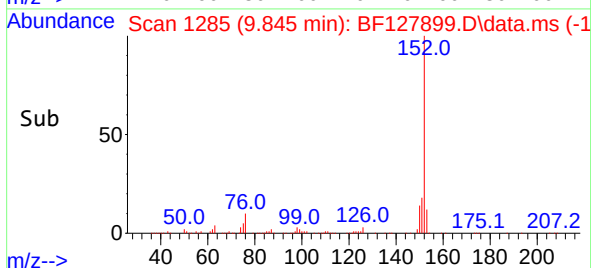
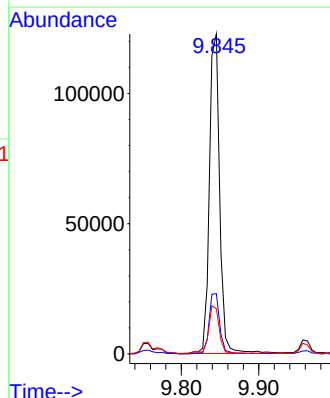
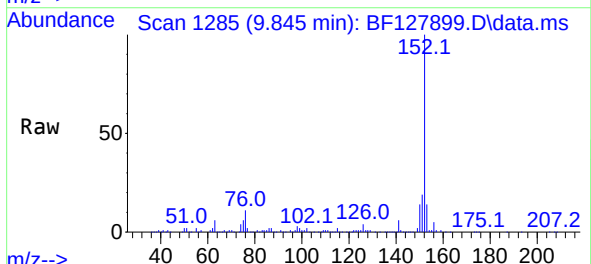
Tgt Ion:152 Resp: 113206

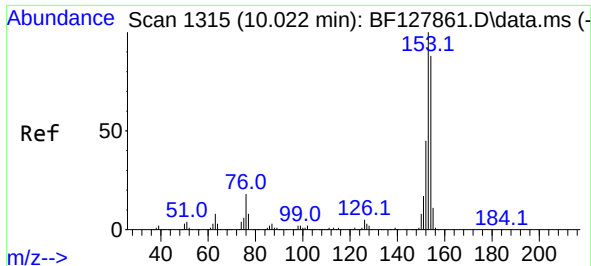
Ion Ratio Lower Upper

152 100

151 18.8 16.2 24.2

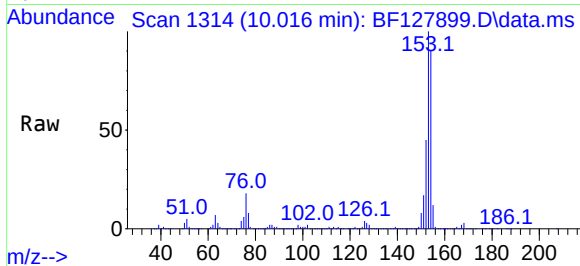
153 14.2 11.2 16.8





#52
Acenaphthene
Concen: 10.885 ng m
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

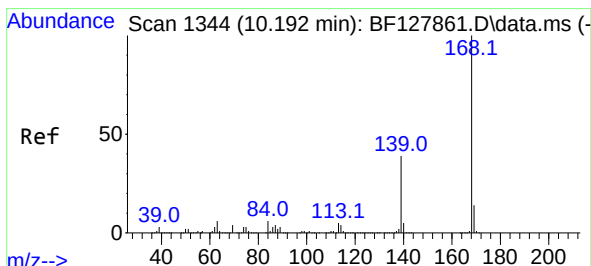
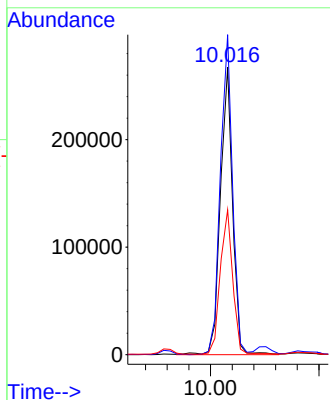
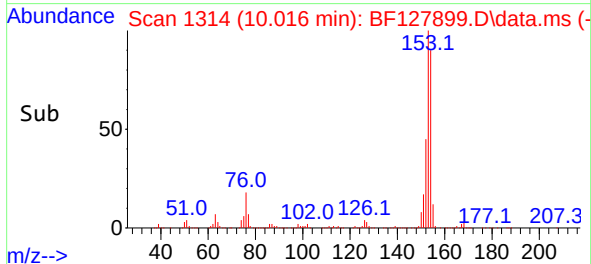
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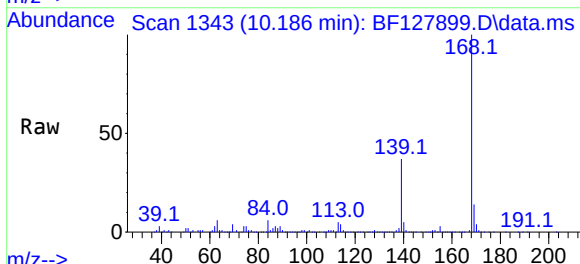
Tgt Ion:154 Resp: 208398
Ion Ratio Lower Upper
154 100
153 111.4 90.5 135.7
152 50.4 41.0 61.6

Manual Integrations
APPROVED

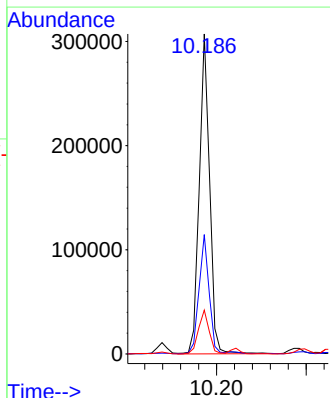
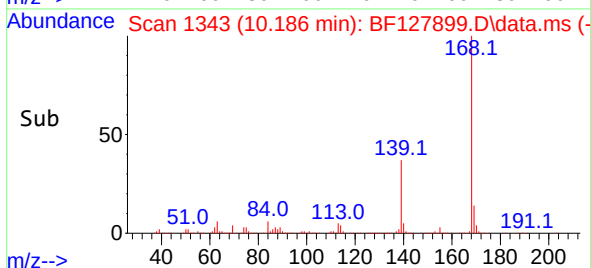
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022

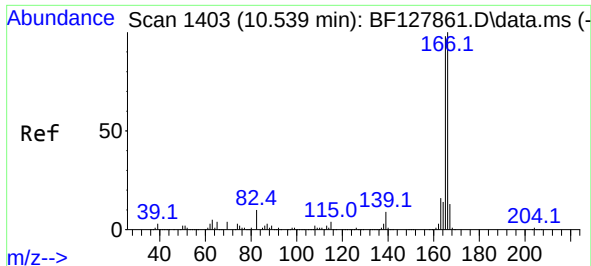


#55
Dibenzofuran
Concen: 8.857 ng
RT: 10.186 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08



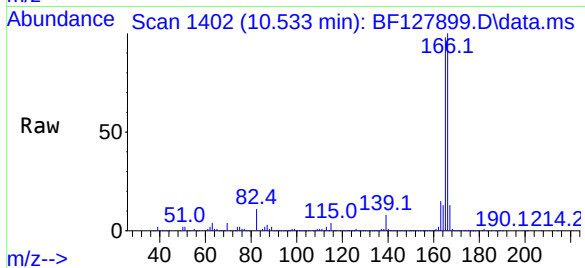
Tgt Ion:168 Resp: 244634
Ion Ratio Lower Upper
168 100
139 37.3 31.7 47.5
169 13.7 10.9 16.3





#58
Fluorene
Concen: 15.456 ng m
RT: 10.533 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

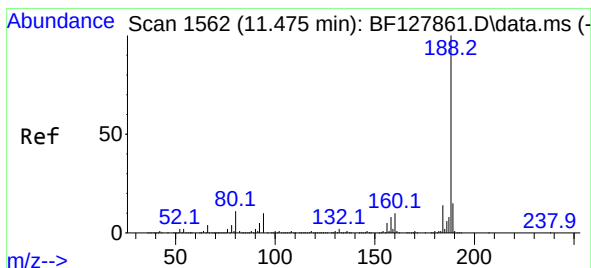
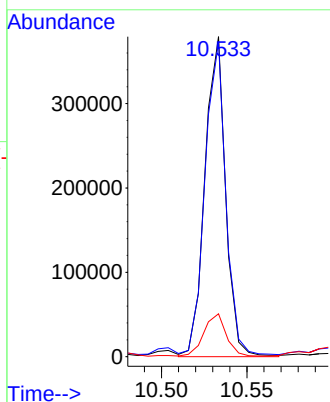
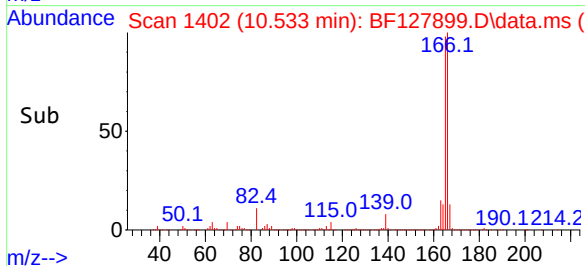
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL



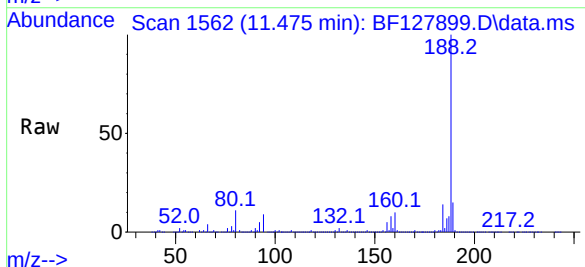
Tgt Ion:166 Resp: 31856
Ion Ratio Lower Upper
166 100
165 98.4 78.6 117.8
167 13.4 10.5 15.7

Manual Integrations
APPROVED

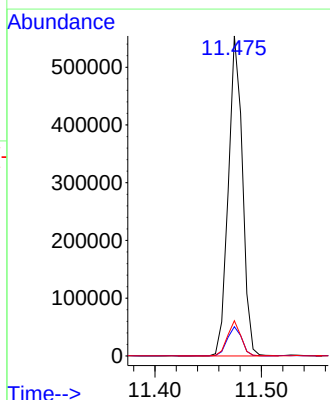
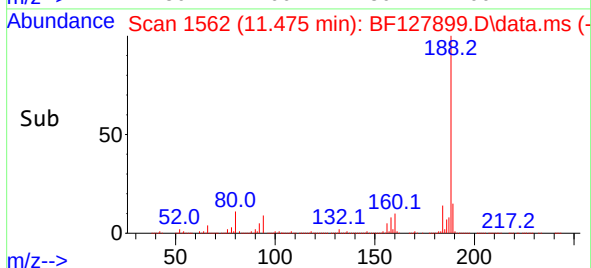
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022

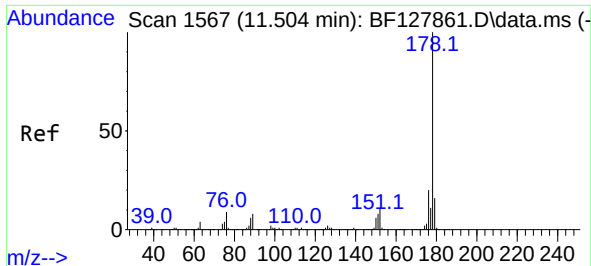


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.475 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08



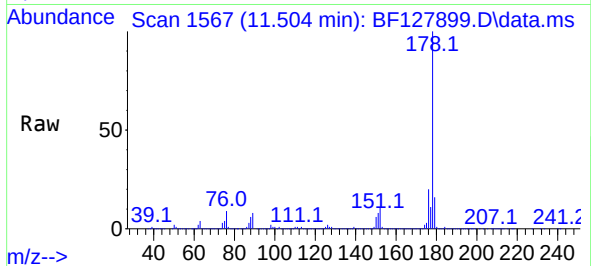
Tgt Ion:188 Resp: 510733
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 11.0 8.9 13.3





#71
Phenanthrene
Concen: 52.455 ng
RT: 11.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

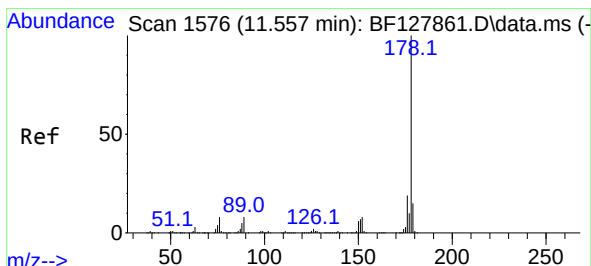
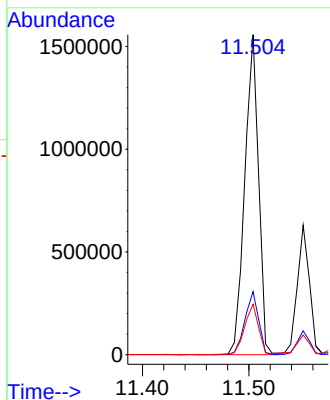
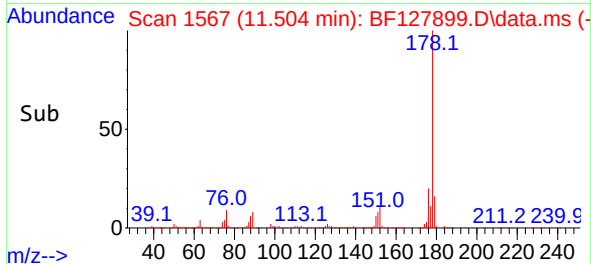
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL



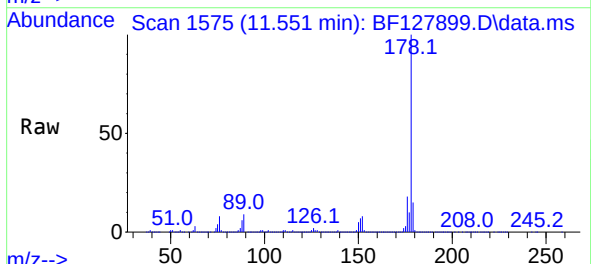
Tgt Ion:178 Resp: 140237
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.8 12.6 19.0

Manual Integrations
APPROVED

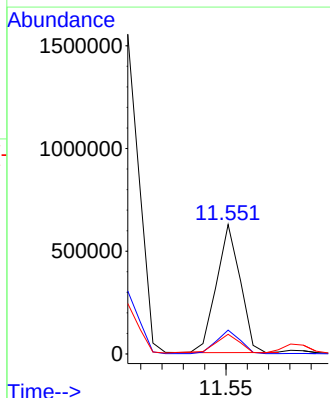
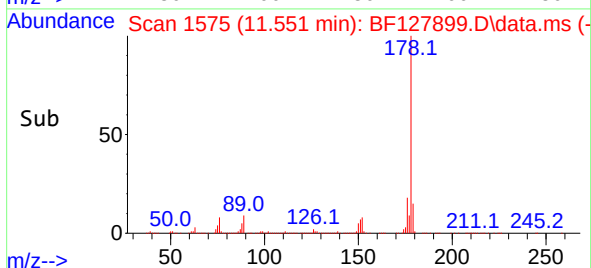
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022

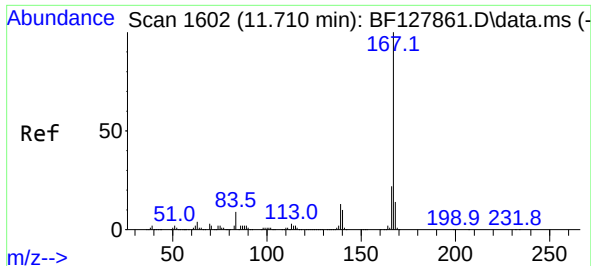


#72
Anthracene
Concen: 18.140 ng
RT: 11.551 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08



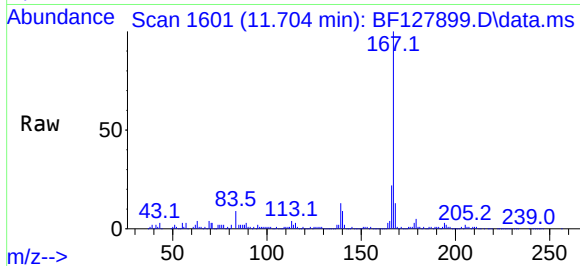
Tgt Ion:178 Resp: 483105
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.2 12.4 18.6





#73
 Carbazole
 Concen: 4.912 ng
 RT: 11.704 min Scan# 1601
 Delta R.T. -0.006 min
 Lab File: BF127899.D
 Acq: 26 Apr 2022 00:08

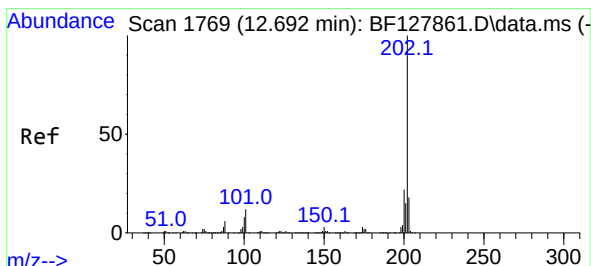
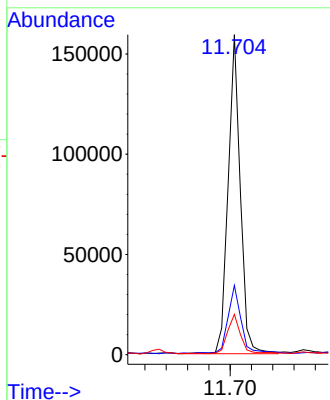
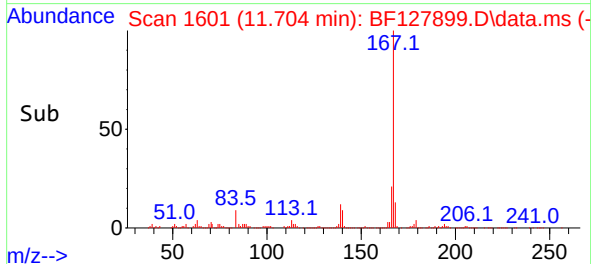
Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-041922DL



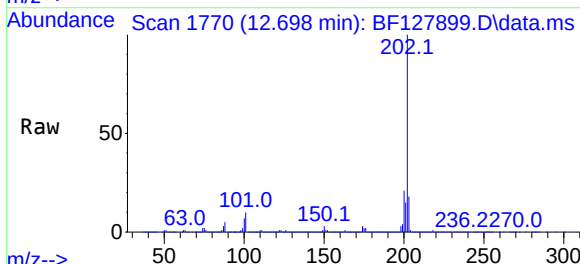
Tgt Ion:167 Resp: 12607
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.6 26.4
 139 12.6 10.7 16.1

Manual Integrations
 APPROVED

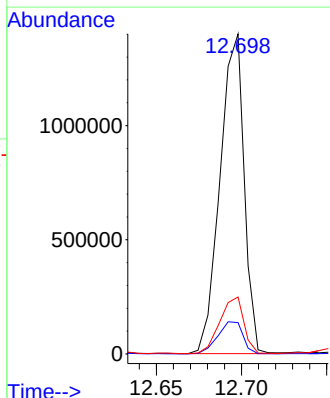
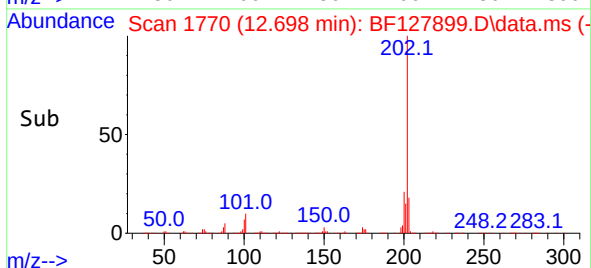
Reviewed By :Christian Giraldo 04/27/2022
 Supervised By :Jagrut Upadhyay 04/28/2022

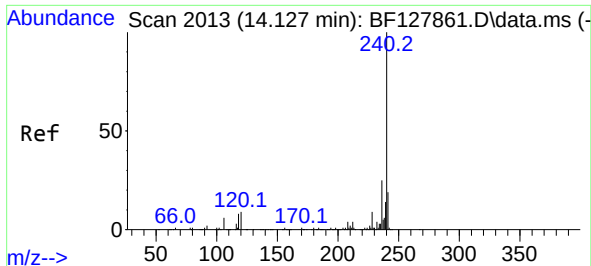


#75
 Fluoranthene
 Concen: 48.960 ng
 RT: 12.698 min Scan# 1770
 Delta R.T. 0.006 min
 Lab File: BF127899.D
 Acq: 26 Apr 2022 00:08



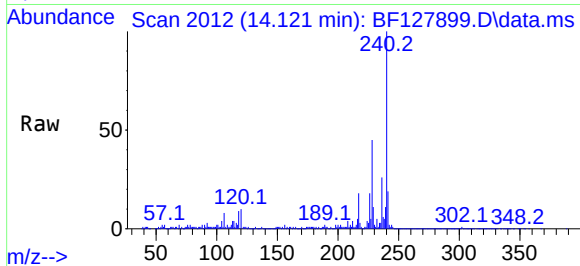
Tgt Ion:202 Resp: 1377588
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 31.6
 203 17.8 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

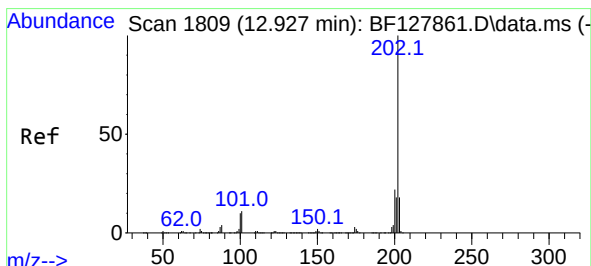
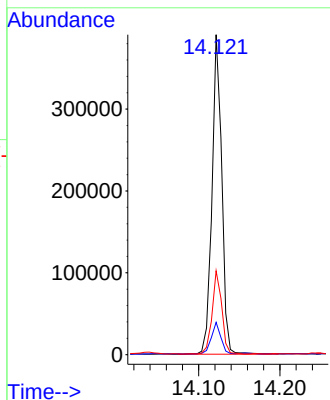
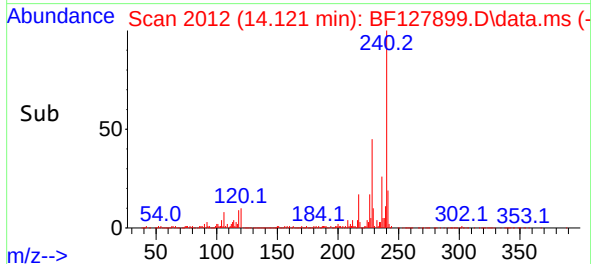
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL



Tgt Ion:240 Resp: 324790
Ion Ratio Lower Upper
240 100
120 10.1 7.0 10.6
236 26.2 20.3 30.5

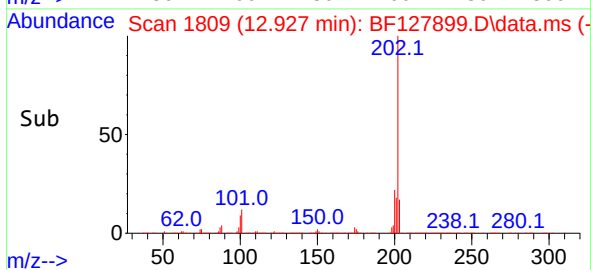
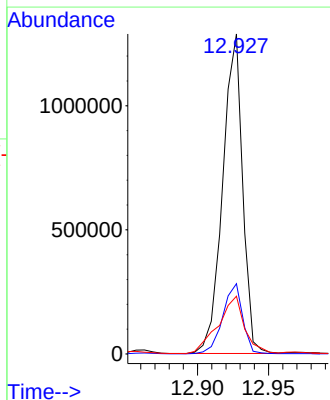
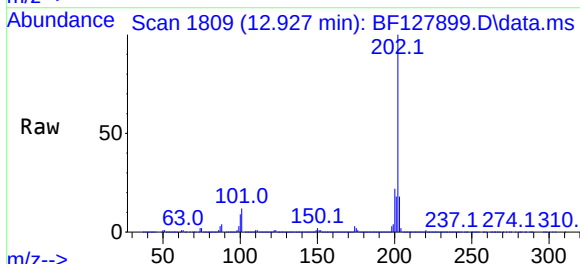
Manual Integrations
APPROVED

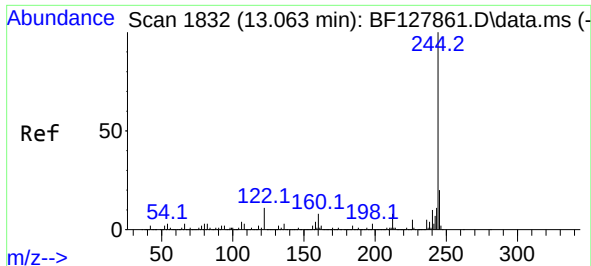
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#78
Pyrene
Concen: 47.903 ng
RT: 12.927 min Scan# 1809
Delta R.T. -0.000 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Tgt Ion:202 Resp: 1255956
Ion Ratio Lower Upper
202 100
200 22.0 17.4 26.2
203 18.0 14.0 21.0





#79
 Terphenyl-d14
 Concen: 5.763 ng
 RT: 13.057 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127899.D
 Acq: 26 Apr 2022 00:08

Instrument :

BNA_F

ClientSampleId :

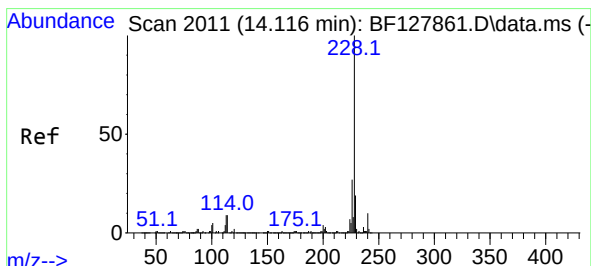
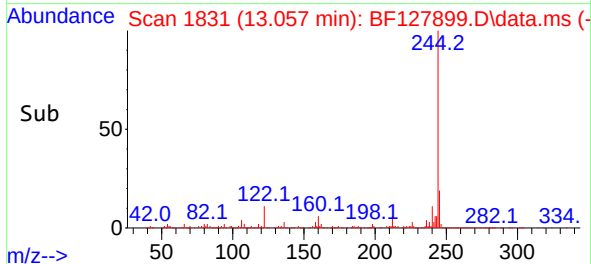
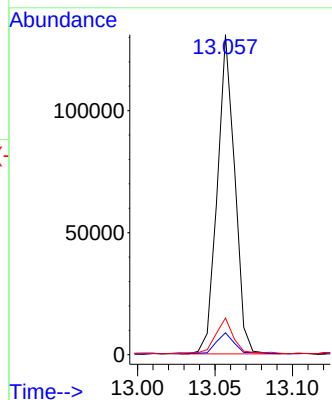
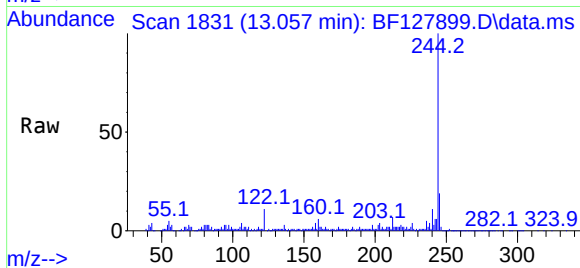
PAT-03-041922DL

Tgt Ion:244 Resp: 102360
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.2 9.4
 122 11.4 8.6 12.8

Manual Integrations

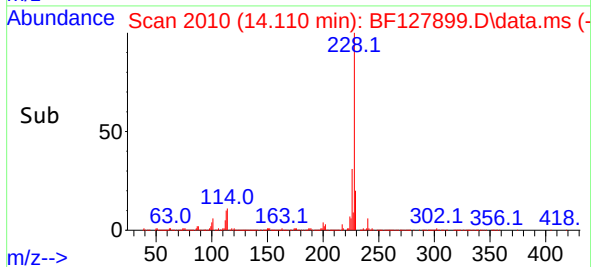
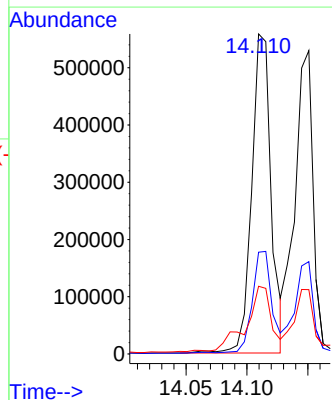
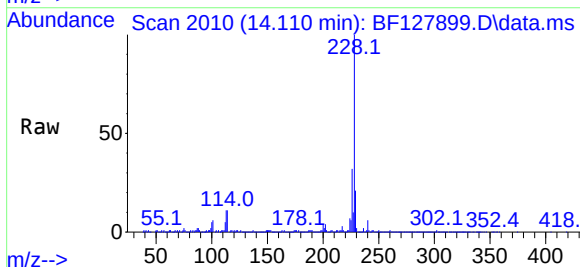
APPROVED

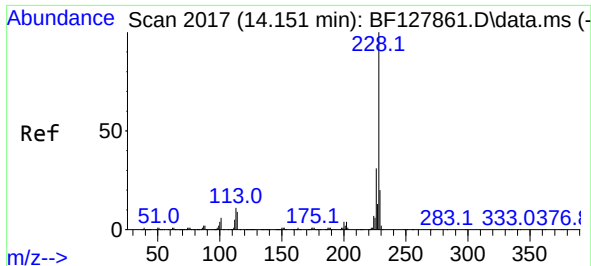
Reviewed By :Christian Giraldo 04/27/2022
 Supervised By :Jagrut Upadhyay 04/28/2022



#81
 Benzo(a)anthracene
 Concen: 28.597 ng
 RT: 14.110 min Scan# 2010
 Delta R.T. -0.006 min
 Lab File: BF127899.D
 Acq: 26 Apr 2022 00:08

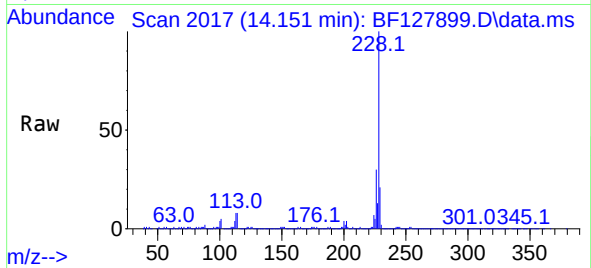
Tgt Ion:228 Resp: 619078
 Ion Ratio Lower Upper
 228 100
 226 31.8 21.7 32.5
 229 21.1 15.4 23.2





#83
Chrysene
Concen: 26.795 ng
RT: 14.151 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

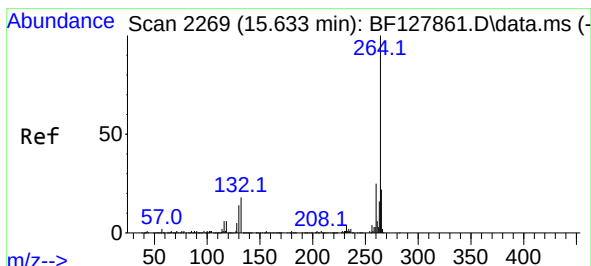
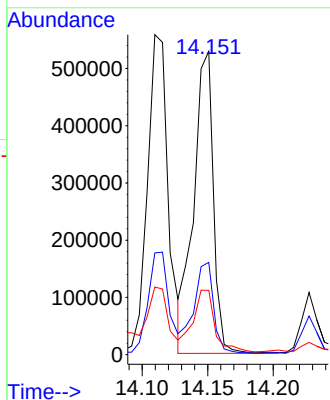
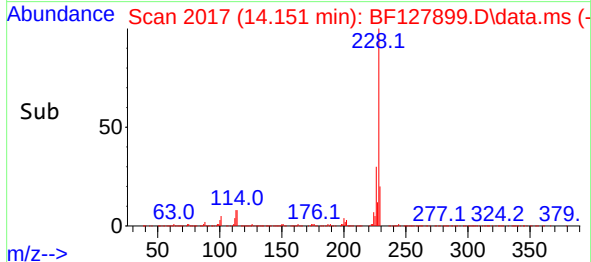
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL



Tgt Ion:228 Resp: 55399
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 21.2 15.8 23.8

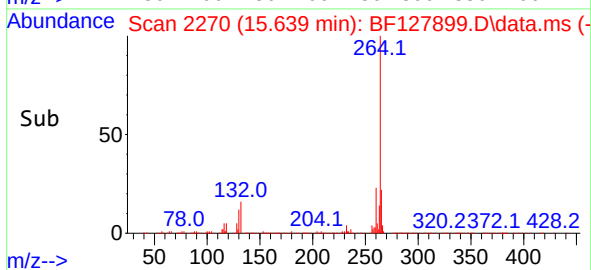
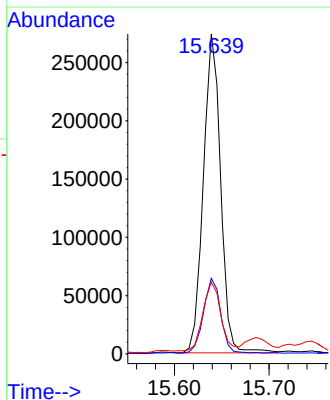
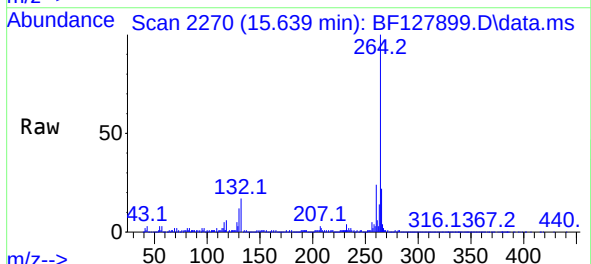
Manual Integrations
APPROVED

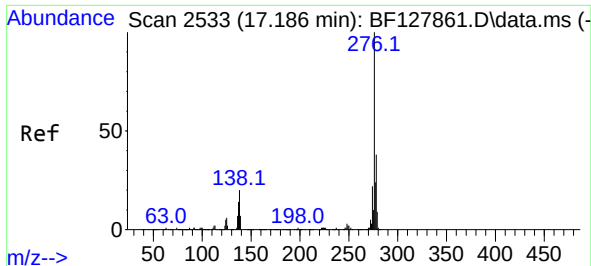
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Tgt Ion:264 Resp: 347373
Ion Ratio Lower Upper
264 100
260 23.7 20.1 30.1
265 22.5 17.5 26.3





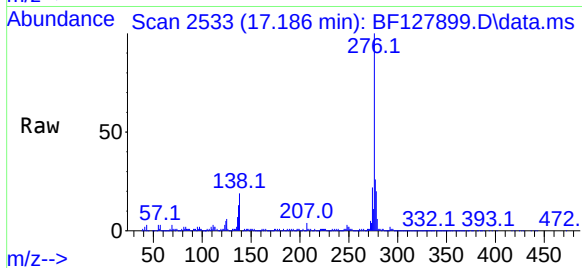
#87
Indeno(1,2,3-cd)pyrene
Concen: 13.759 ng
RT: 17.186 min Scan# 2190
Delta R.T. -0.000 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Instrument :

BNA_F

ClientSampleId :

PAT-03-041922DL

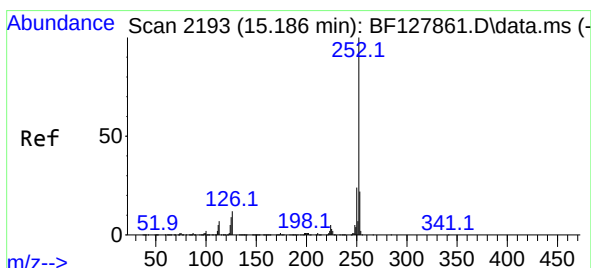
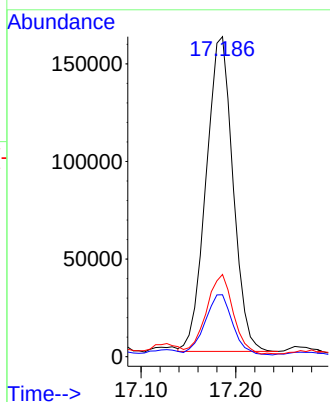
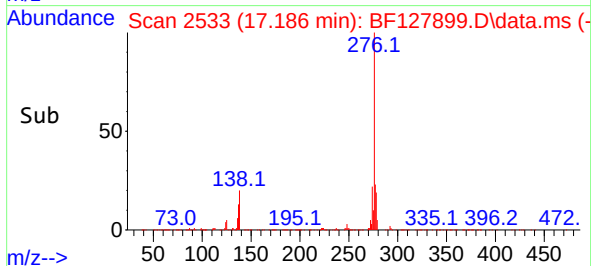


Tgt Ion:276 Resp: 31902
Ion Ratio Lower Upper
276 100
138 19.6 19.0 28.4
277 24.9 20.1 30.1

Manual Integrations

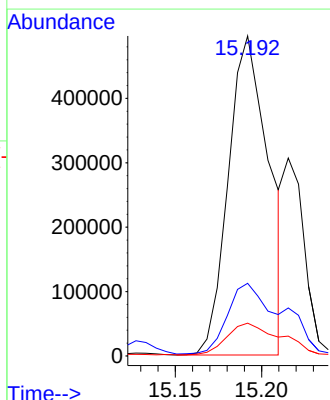
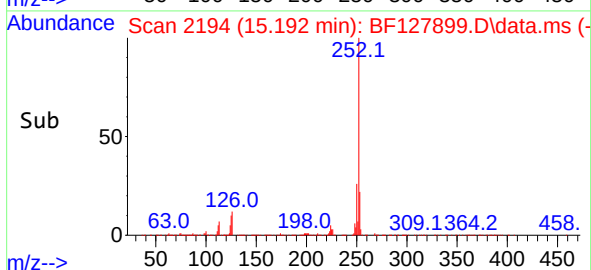
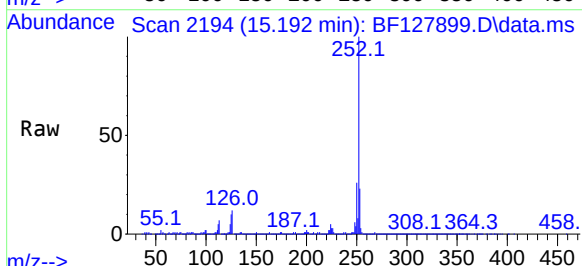
APPROVED

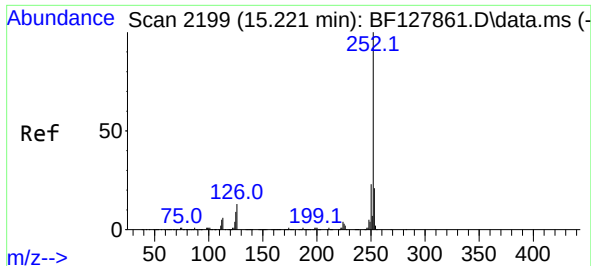
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#88
Benzo(b)fluoranthene
Concen: 36.962 ng m
RT: 15.192 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Tgt Ion:252 Resp: 806434
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 10.3 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 11.270 ng m

RT: 15.215 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

Instrument :

BNA_F

ClientSampleId :

PAT-03-041922DL

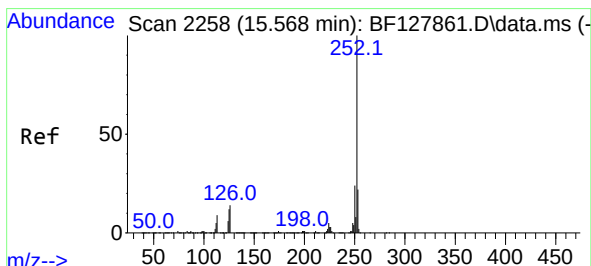
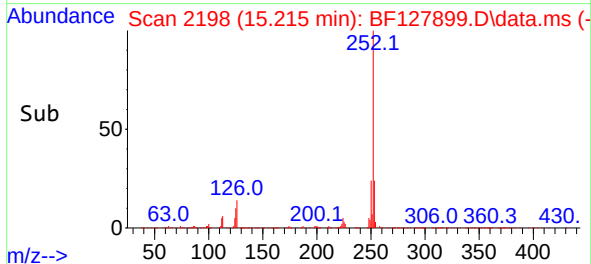
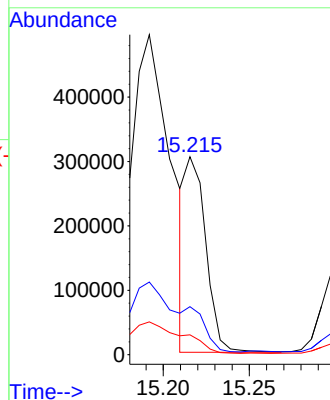
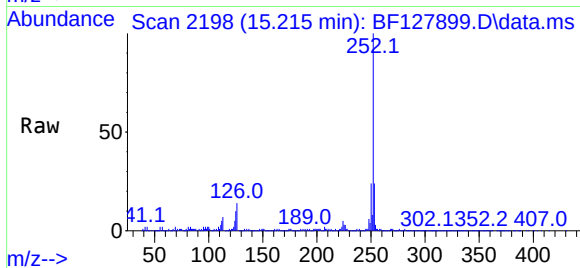
Tgt Ion:252 Resp: 24773

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.4
125	10.0	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#90

Benzo(a)pyrene

Concen: 33.381 ng

RT: 15.574 min Scan# 2259

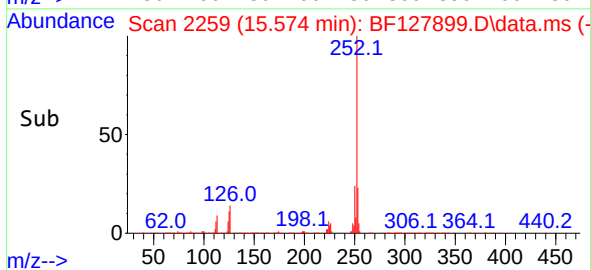
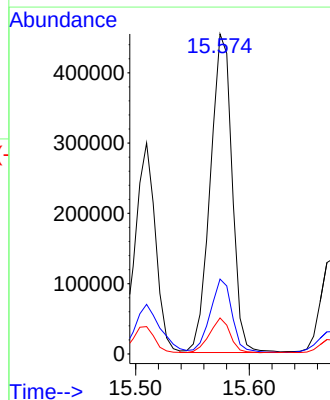
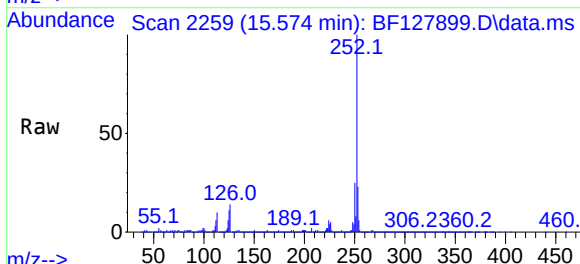
Delta R.T. 0.006 min

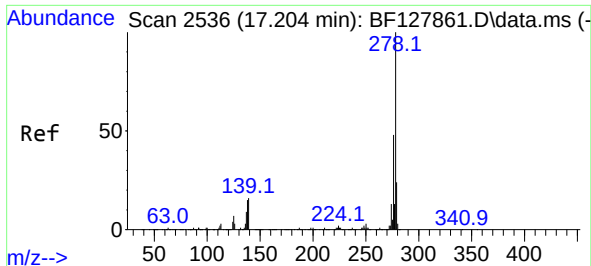
Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

Tgt Ion:252 Resp: 604119

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	11.2	9.2	13.8





#91
Dibenzo(a,h)anthracene
Concen: 4.315 ng m
RT: 17.198 min Scan# 2535
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Instrument :

BNA_F

ClientSampleId :

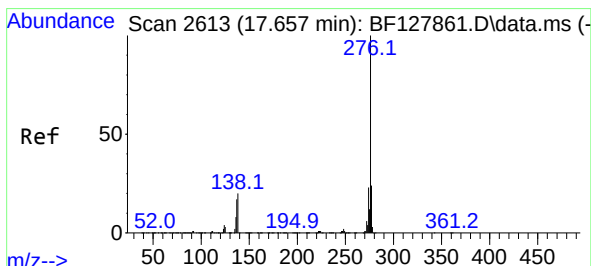
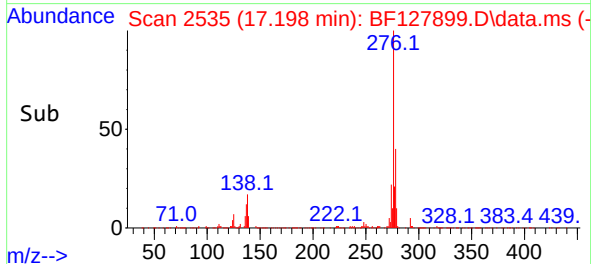
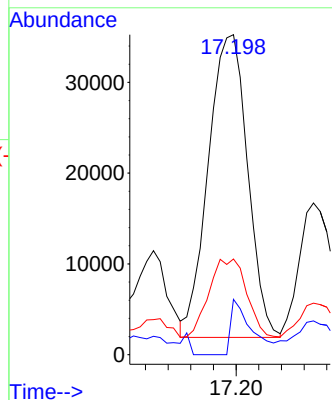
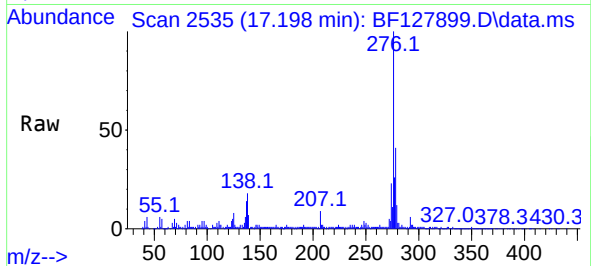
PAT-03-041922DL

Tgt Ion:278 Resp: 8023
Ion Ratio Lower Upper
278 100
139 17.3 12.6 19.0
279 29.9 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#92
Benzo(g,h,i)perylene
Concen: 14.477 ng
RT: 17.656 min Scan# 2613
Delta R.T. -0.000 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Tgt Ion:276 Resp: 283708
Ion Ratio Lower Upper
276 100
277 23.6 18.8 28.2
138 19.8 16.2 24.2

