

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
 Data File : BF127968.D
 Acq On : 28 Apr 2022 02:07
 Operator : CG\JU
 Sample : N2564-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC-164718

Manual Integrations
 APPROVED

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

Quant Time: Apr 28 05:18:30 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	88538	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	292617	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	132673	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	239873	20.000	ng	0.00
76) Chrysene-d12	14.115	240	220051	20.000	ng	0.00
86) Perylene-d12	15.627	264	153226	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	637197	114.631	ng	0.00
7) Phenol-d6	6.551	99	791631	109.754	ng	-0.01
23) Nitrobenzene-d5	7.492	82	552817	88.839	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	156764	117.375	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	758972	96.778	ng	0.00
79) Terphenyl-d14	13.051	244	920452	76.487	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.233	128	31587	2.119	ng	100
37) 2-Methylnaphthalene	8.928	142	32814	3.332	ng	99
38) 1-Methylnaphthalene	9.028	142	42614	4.451	ng	96
49) Acenaphthylene	9.833	152	38382	3.354	ng	99
52) Acenaphthene	10.004	154	45928	5.969	ng	98
55) Dibenzofuran	10.175	168	40249	3.626	ng	98
58) Fluorene	10.522	166	82460m	9.955	ng	
71) Phenanthrene	11.486	178	616486	49.098	ng	100
72) Anthracene	11.539	178	185933	14.865	ng	99
73) Carbazole	11.692	167	51806	4.298	ng	97
75) Fluoranthene	12.686	202	1110068	84.001	ng	98
78) Pyrene	12.916	202	1039005	58.491	ng	99
81) Benzo(a)anthracene	14.104	228	543892	37.083	ng	97
83) Chrysene	14.139	228	498710m	35.603	ng	
87) Indeno(1,2,3-cd)pyrene	17.168	276	197101	19.272	ng	# 95
88) Benzo(b)fluoranthene	15.180	252	522119m	54.252	ng	
89) Benzo(k)fluoranthene	15.204	252	148170m	15.282	ng	
90) Benzo(a)pyrene	15.562	252	345236	43.247	ng	97
91) Dibenzo(a,h)anthracene	17.174	278	47791	5.826	ng	# 85
92) Benzo(g,h,i)perylene	17.633	276	195884	22.661	ng	99

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

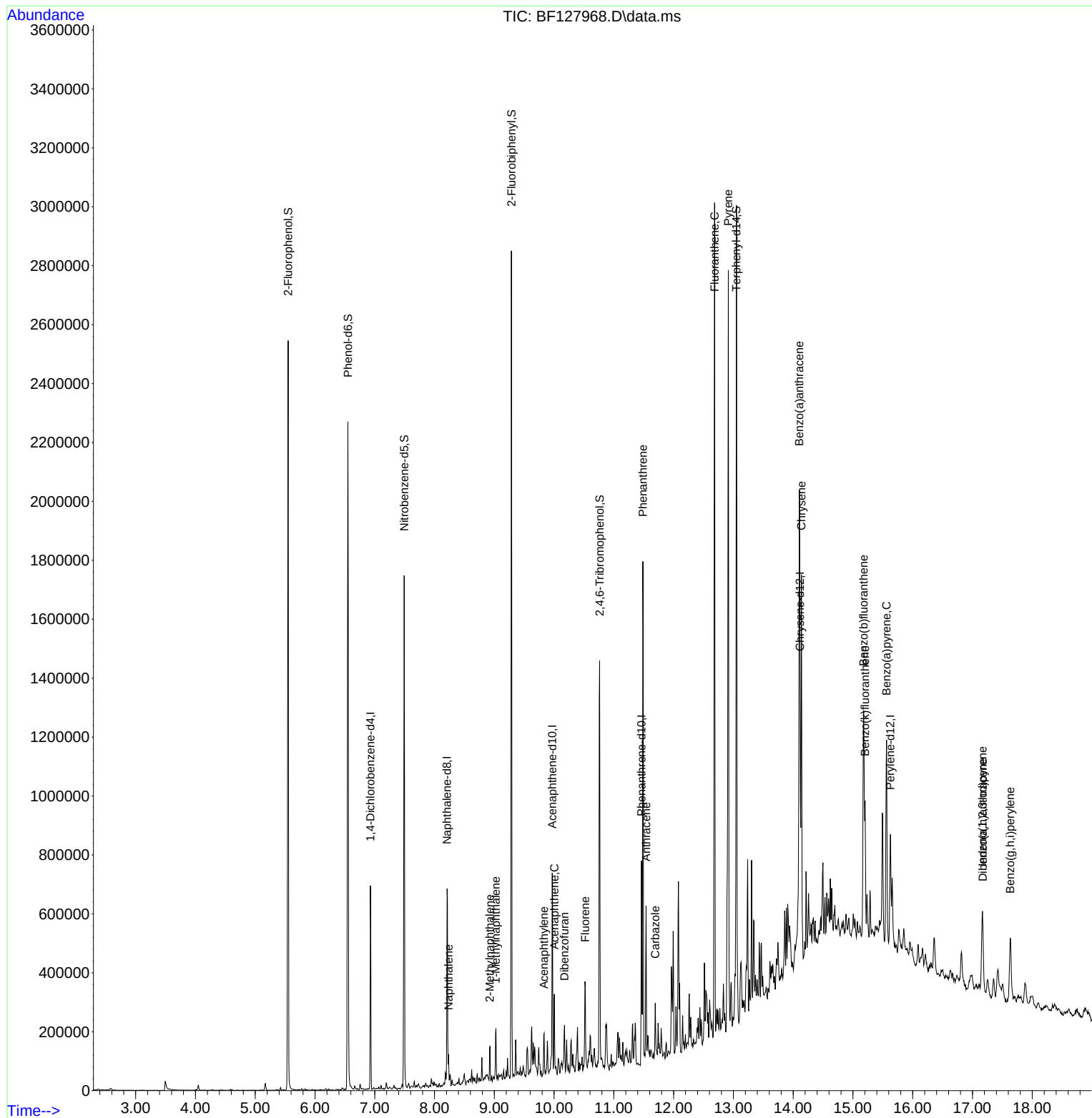
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127968.D
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Misc :
ALS Vial : 24 Sample Multiplier: 1

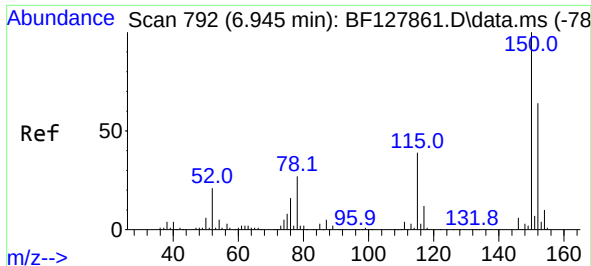
Instrument :
BNA_F
ClientSampleId :
PSC-164718

Quant Time: Apr 28 05:18:30 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
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

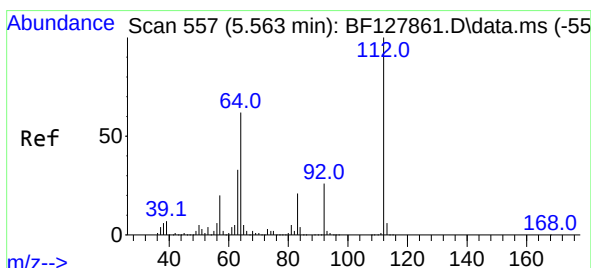
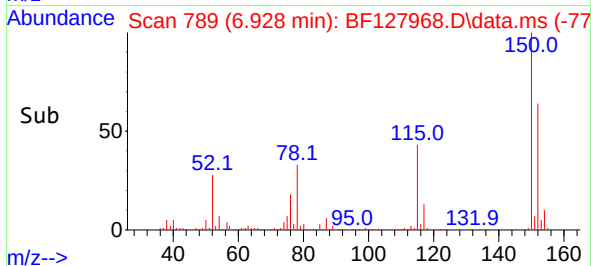
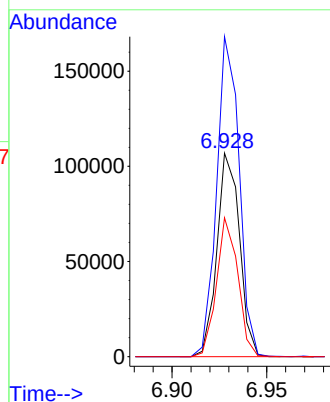
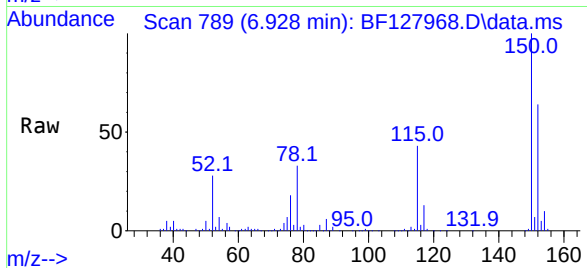
PSC-164718

Tgt Ion:152 Resp: 88538
Ion Ratio Lower Upper
152 100
150 157.2 125.3 187.9
115 68.3 48.8 73.2

Manual Integrations

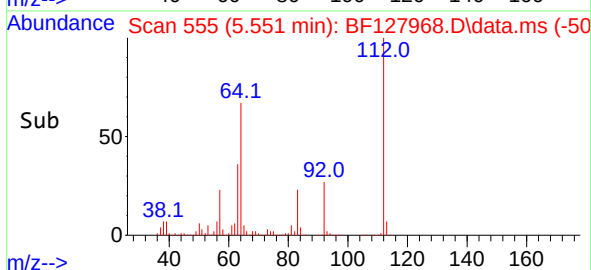
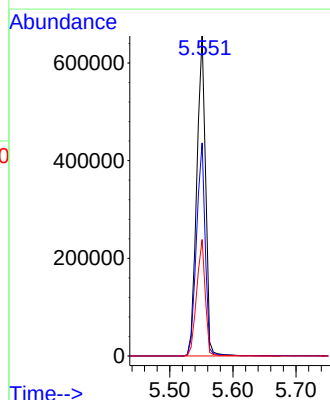
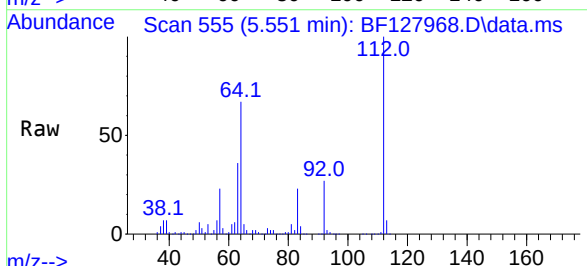
APPROVED

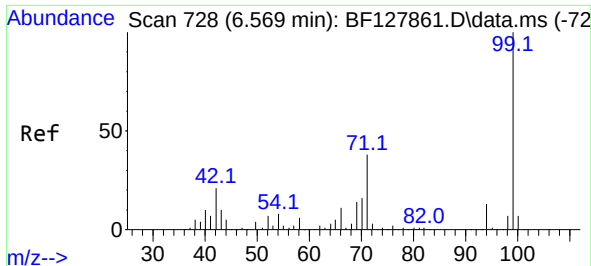
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#5
2-Fluorophenol
Concen: 114.631 ng
RT: 5.551 min Scan# 555
Delta R.T. -0.000 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

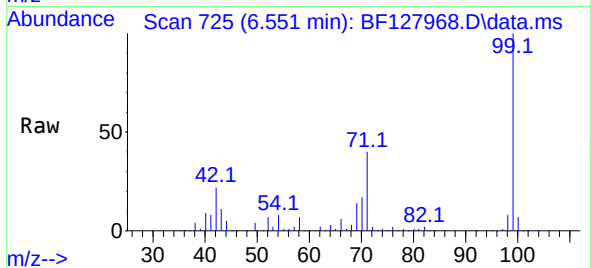
Tgt Ion:112 Resp: 637197
Ion Ratio Lower Upper
112 100
64 66.6 49.5 74.3
63 36.4 26.3 39.5





#7
Phenol-d6
Concen: 109.754 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

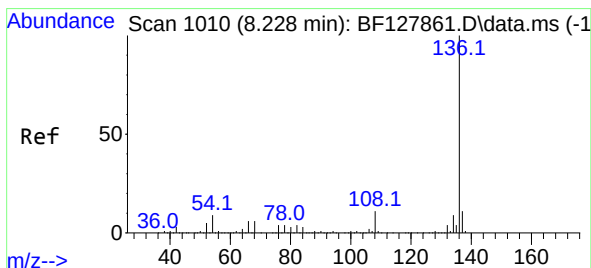
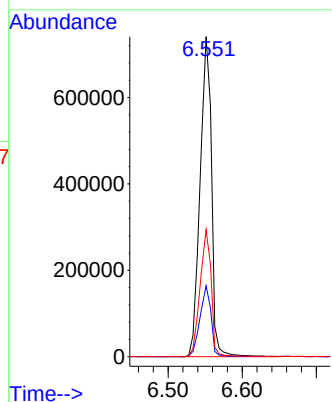
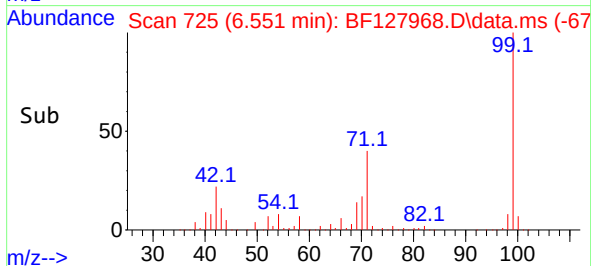
Instrument :
BNA_F
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PSC-164718



Tgt Ion: 99 Resp: 79163
Ion Ratio Lower Upper
99 100
42 22.2 16.6 24.8
71 39.6 30.0 45.0

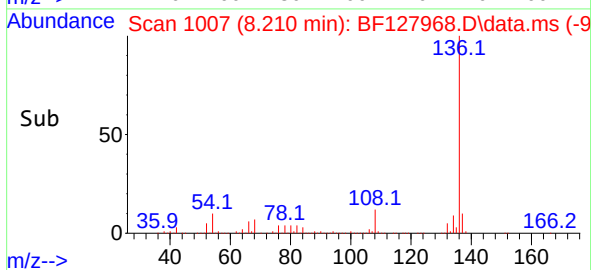
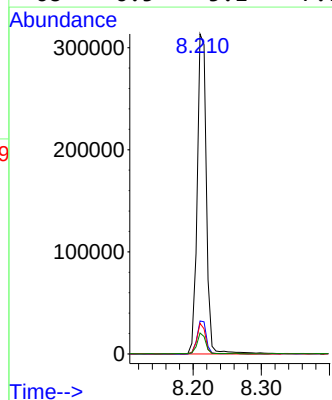
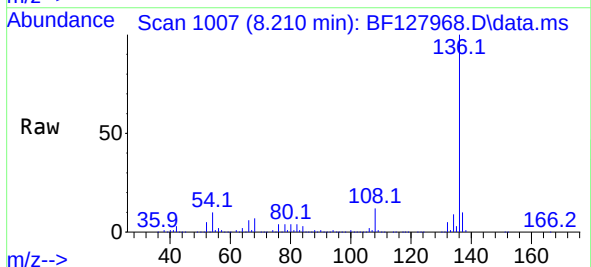
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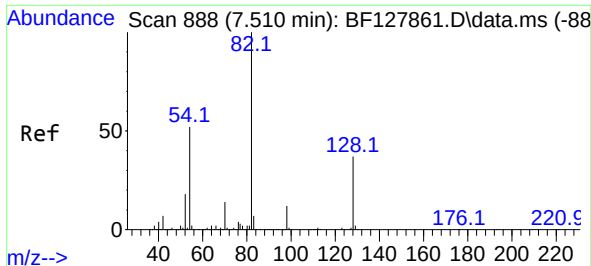
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:136 Resp: 292617
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 9.5 6.8 10.2
68 6.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 88.839 ng

RT: 7.492 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

PSC-164718

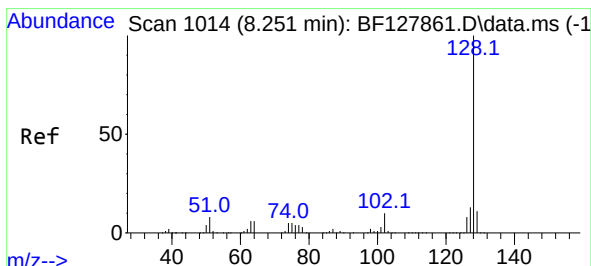
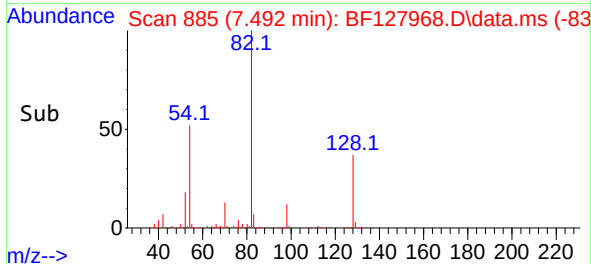
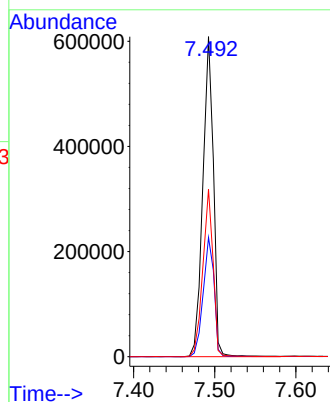
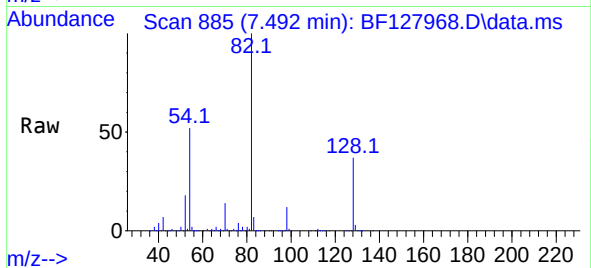
Tgt Ion: 82 Resp: 55281

Ion	Ratio	Lower	Upper
82	100		
128	37.3	30.0	45.0
54	52.3	41.3	61.9

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#31

Naphthalene

Concen: 2.119 ng

RT: 8.233 min Scan# 1011

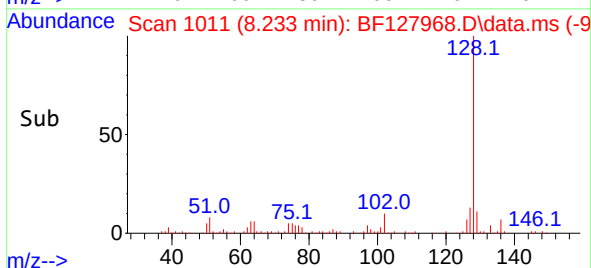
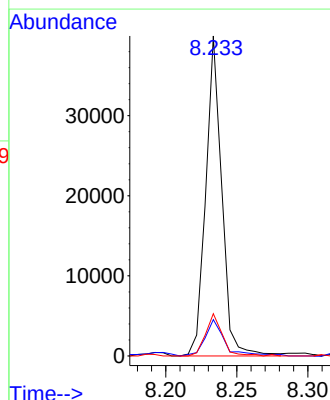
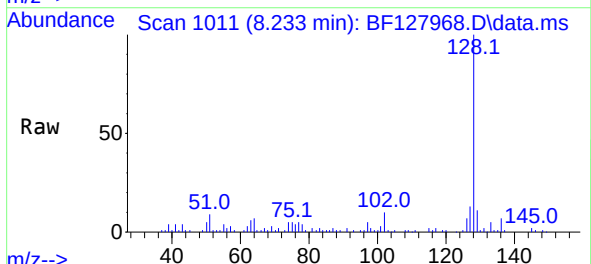
Delta R.T. -0.006 min

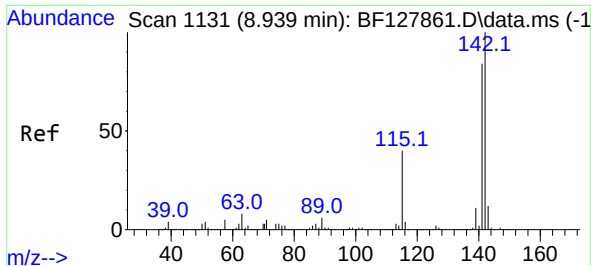
Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

Tgt Ion:128 Resp: 31587

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.2	10.6	16.0





#37

2-Methylnaphthalene

Concen: 3.332 ng

RT: 8.928 min Scan# 1129

Delta R.T. -0.006 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

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PSC-164718

Tgt Ion:142 Resp: 32814

Ion Ratio Lower Upper

142 100

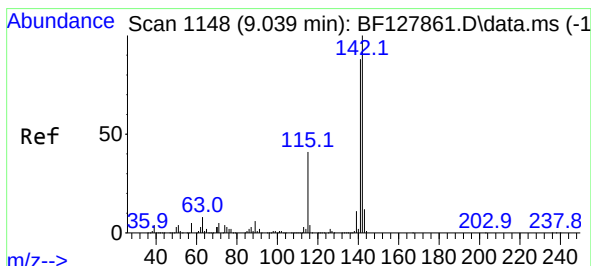
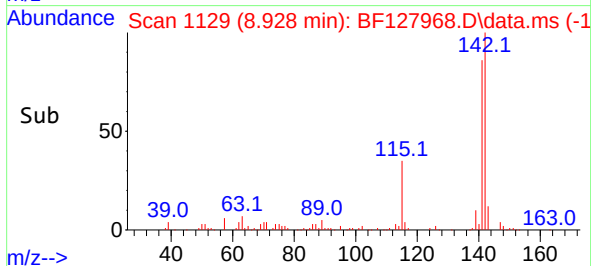
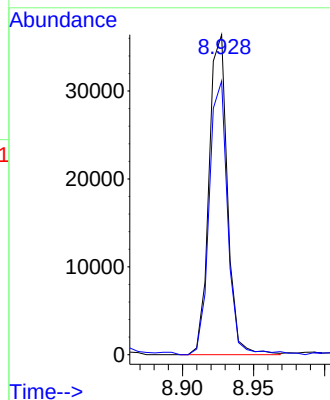
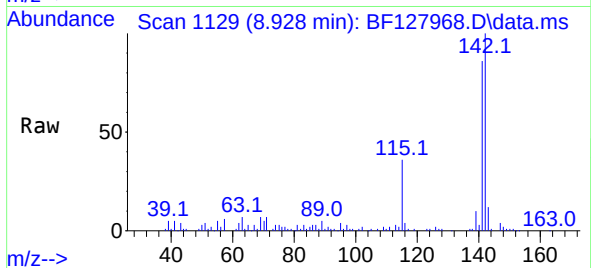
141 85.5 67.4 101.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/28/2022



#38

1-Methylnaphthalene

Concen: 4.451 ng

RT: 9.028 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF127968.D

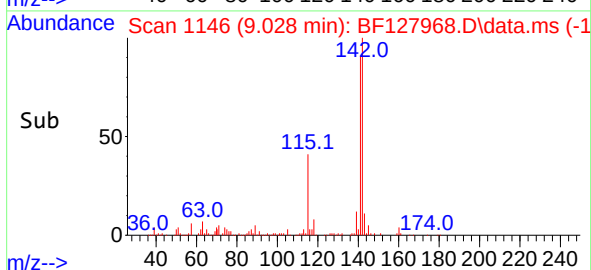
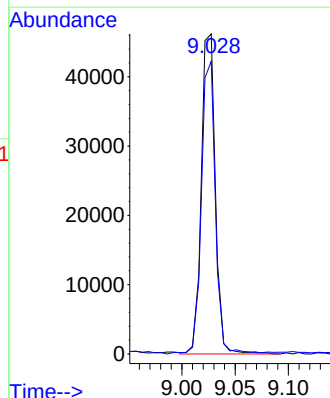
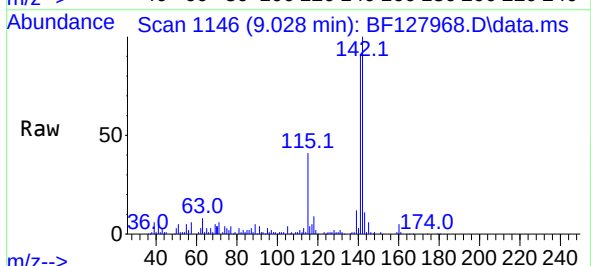
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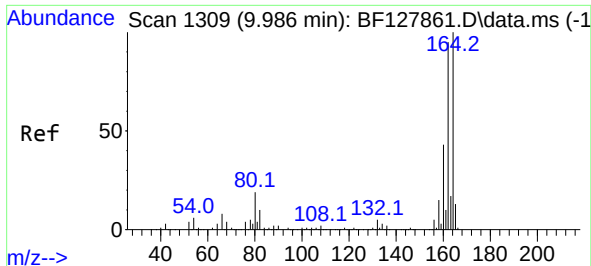
Tgt Ion:142 Resp: 42614

Ion Ratio Lower Upper

142 100

141 91.5 70.1 105.1





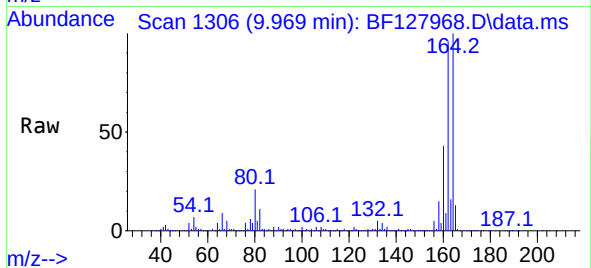
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

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PSC-164718

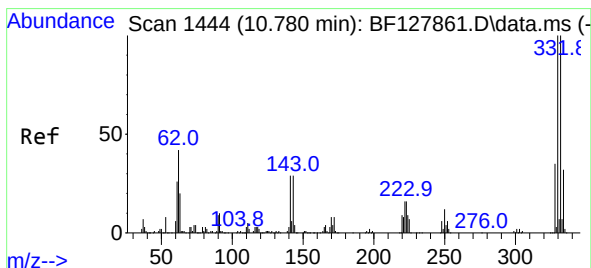
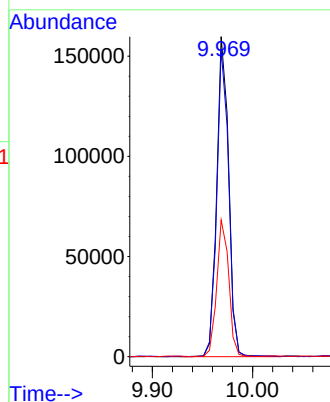
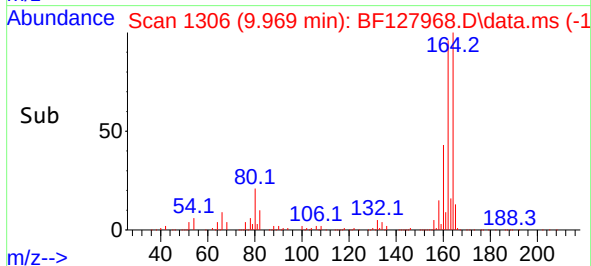


Tgt Ion:164 Resp: 13267
Ion Ratio Lower Upper
164 100
162 96.1 76.0 114.0
160 42.8 34.8 52.2

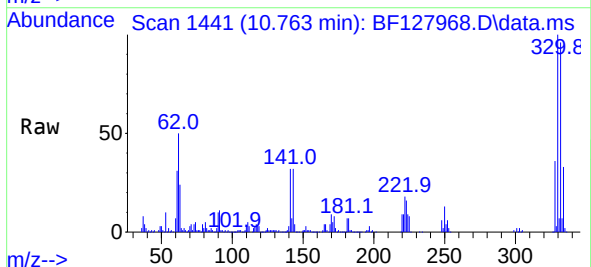
Manual Integrations

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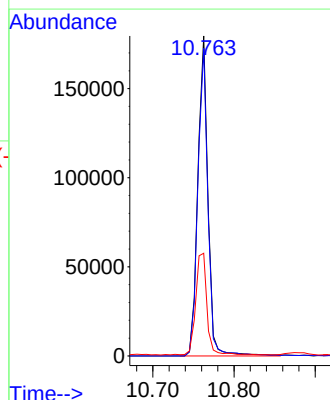
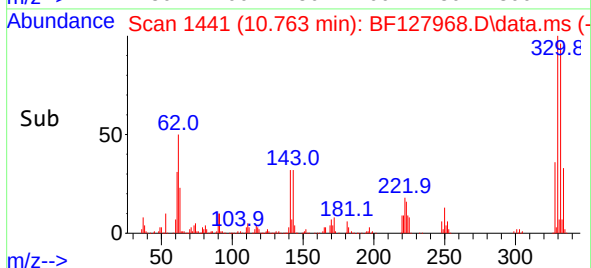
Reviewed By :Christian Giraldo 04/28/2022
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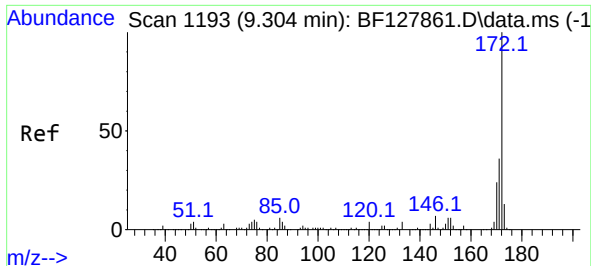


#42
2,4,6-Tribromophenol
Concen: 117.375 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07



Tgt Ion:330 Resp: 156764
Ion Ratio Lower Upper
330 100
332 96.1 79.0 118.4
141 35.6 28.9 43.3





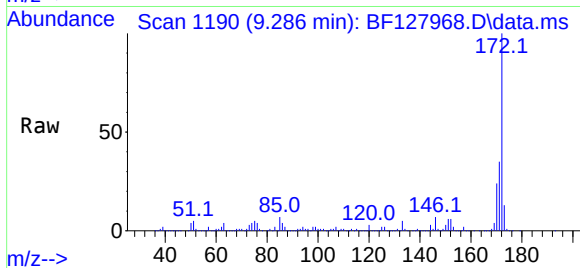
#45
2-Fluorobiphenyl
Concen: 96.778 ng
RT: 9.286 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

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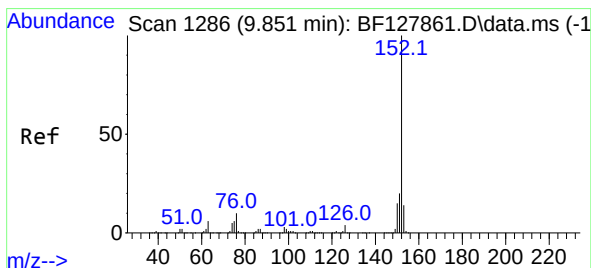
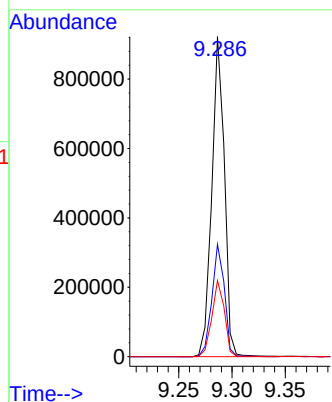
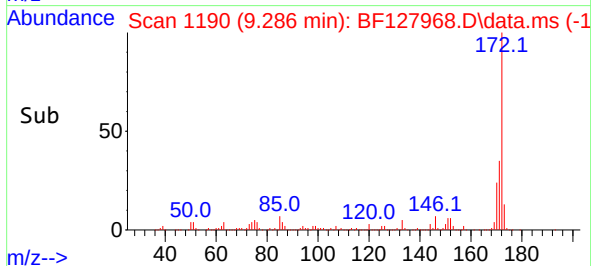


Tgt Ion:172 Resp: 758972
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.8 19.1 28.7

Manual Integrations

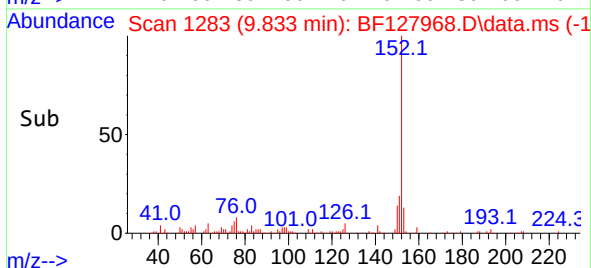
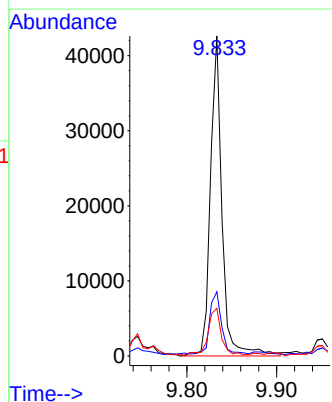
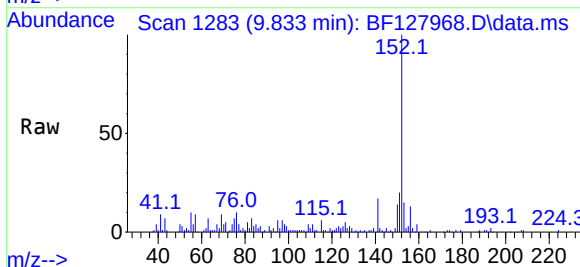
APPROVED

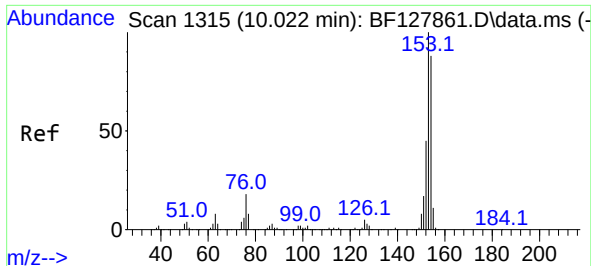
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#49
Acenaphthylene
Concen: 3.354 ng
RT: 9.833 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

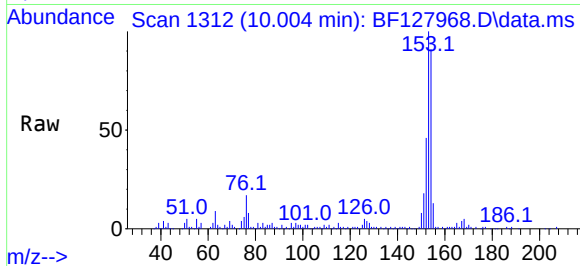
Tgt Ion:152 Resp: 38382
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 14.9 11.2 16.8





#52
Acenaphthene
Concen: 5.969 ng
RT: 10.004 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

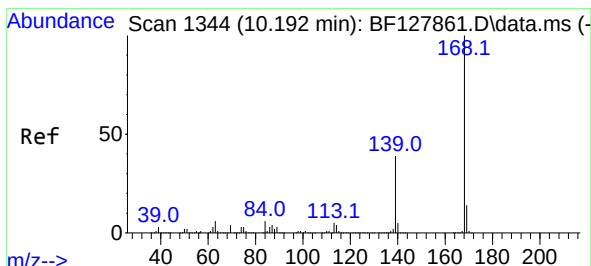
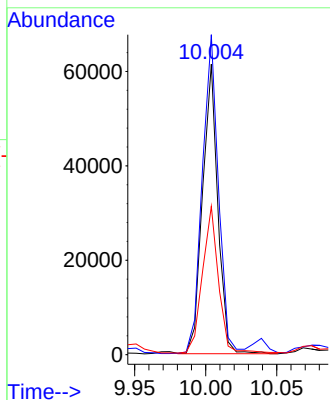
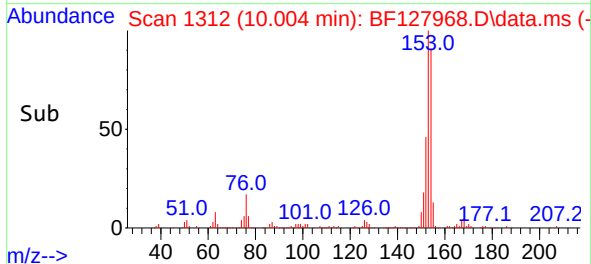
Instrument :
BNA_F
ClientSampleId :
PSC-164718



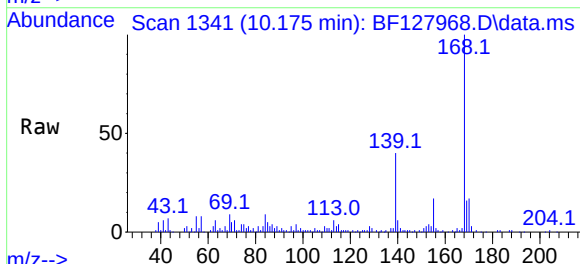
Tgt Ion:154 Resp: 45928
Ion Ratio Lower Upper
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153 110.1 90.5 135.7
152 51.1 41.0 61.6

Manual Integrations
APPROVED

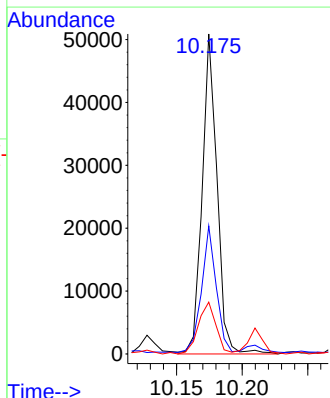
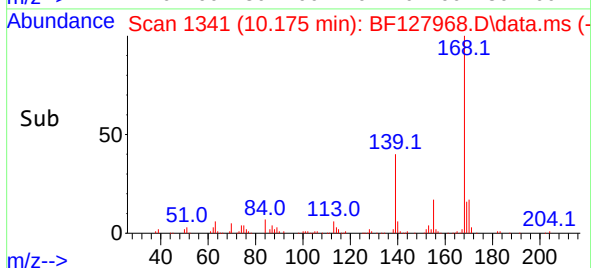
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022

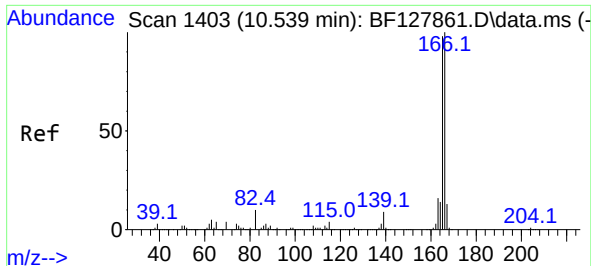


#55
Dibenzofuran
Concen: 3.626 ng
RT: 10.175 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07



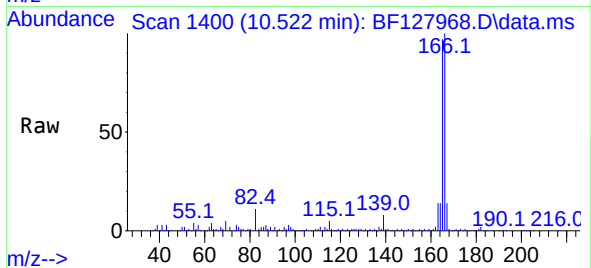
Tgt Ion:168 Resp: 40249
Ion Ratio Lower Upper
168 100
139 40.0 31.7 47.5
169 16.2 10.9 16.3





#58
Fluorene
Concen: 9.955 ng m
RT: 10.522 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

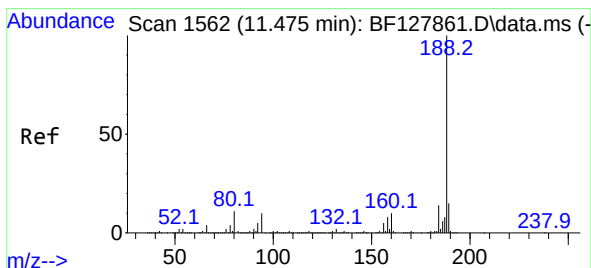
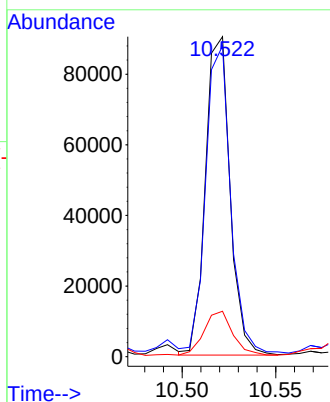
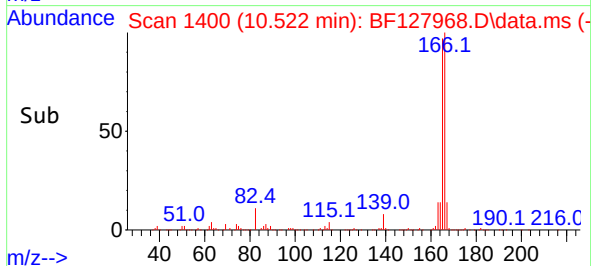
Instrument :
BNA_F
ClientSampleId :
PSC-164718



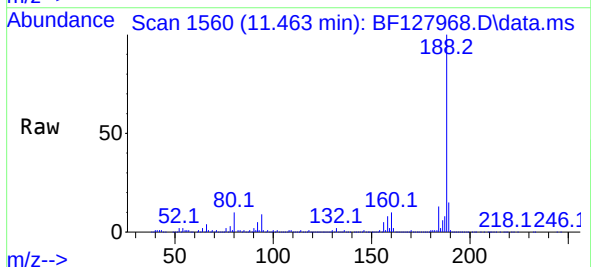
Tgt Ion:166 Resp: 82460
Ion Ratio Lower Upper
166 100
165 97.1 78.6 117.8
167 14.2 10.5 15.7

Manual Integrations
APPROVED

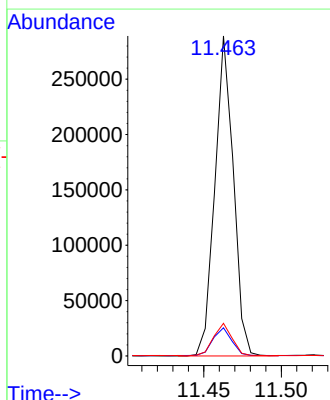
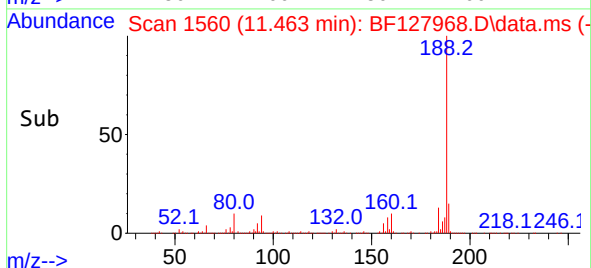
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022

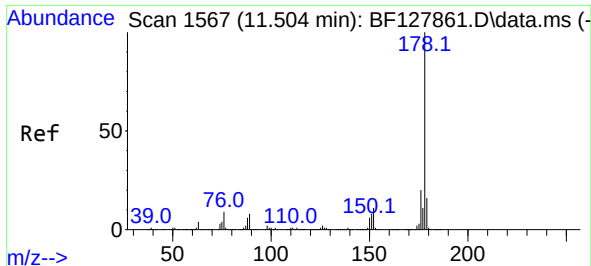


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07



Tgt Ion:188 Resp: 239873
Ion Ratio Lower Upper
188 100
94 8.8 8.0 12.0
80 10.2 8.9 13.3





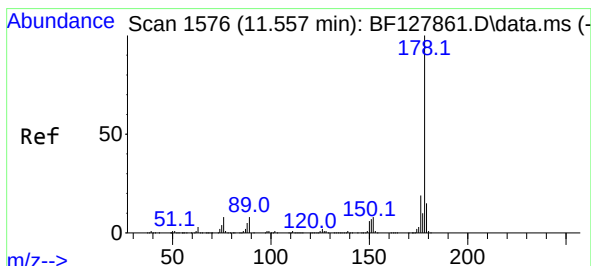
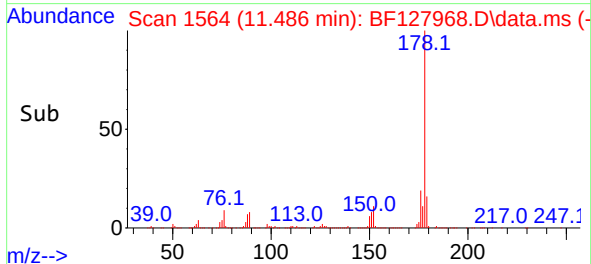
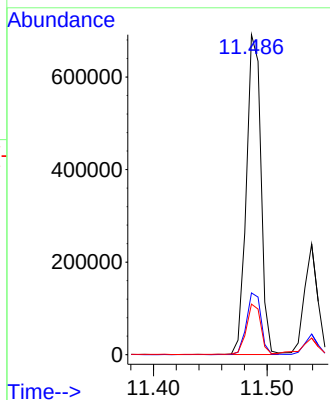
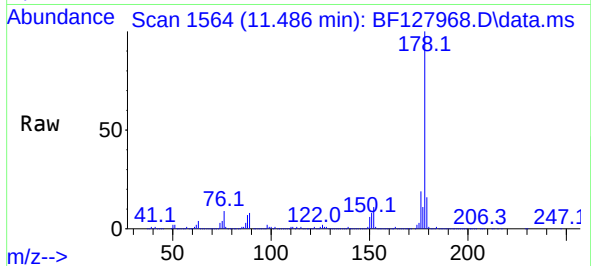
#71
Phenanthrene
Concen: 49.098 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Instrument :
BNA_F
ClientSampleId :
PSC-164718

Tgt Ion:178 Resp: 616480
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.8 12.6 19.0

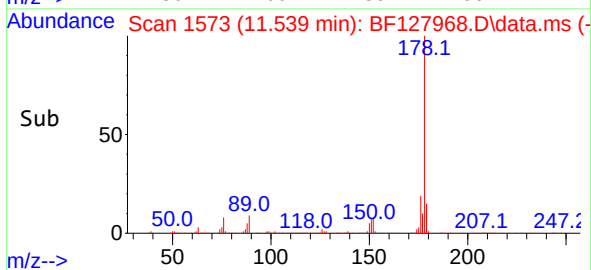
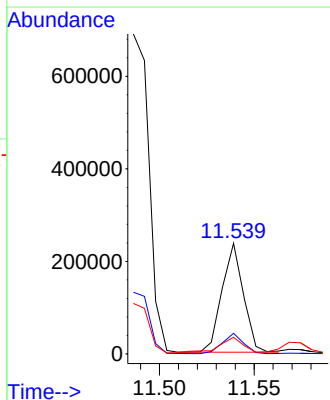
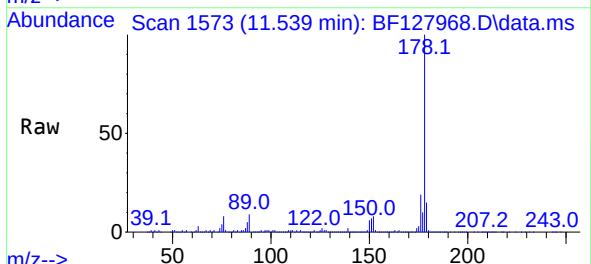
Manual Integrations
APPROVED

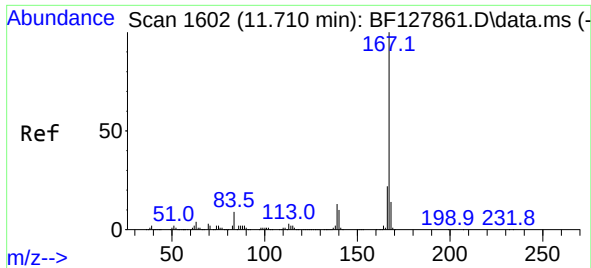
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#72
Anthracene
Concen: 14.865 ng
RT: 11.539 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:178 Resp: 185933
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.1 12.4 18.6





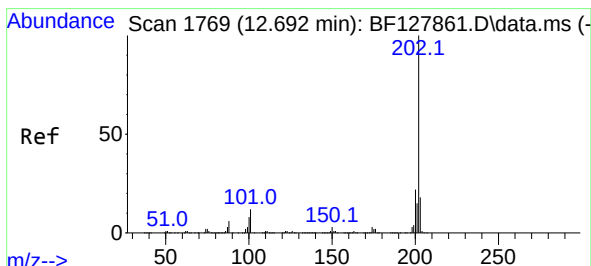
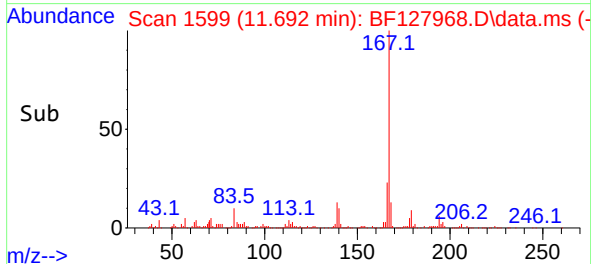
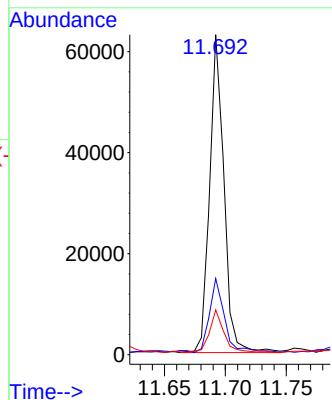
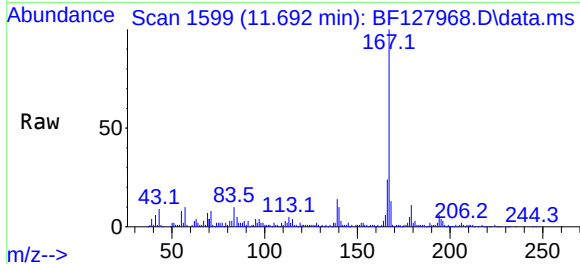
#73
 Carbazole
 Concen: 4.298 ng
 RT: 11.692 min Scan# 11692
 Delta R.T. -0.006 min
 Lab File: BF127968.D
 Acq: 28 Apr 2022 02:07

Instrument :
 BNA_F
 ClientSampleId :
 PSC-164718

Tgt Ion:167 Resp: 51800
 Ion Ratio Lower Upper
 167 100
 166 23.8 17.6 26.4
 139 14.0 10.7 16.1

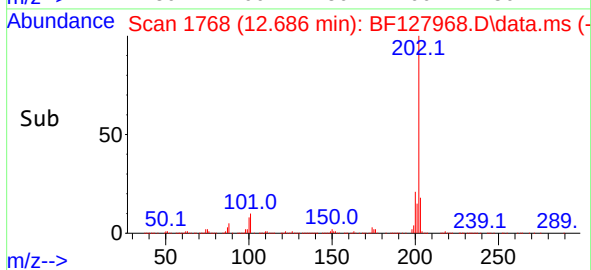
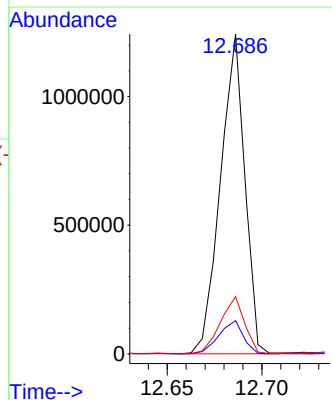
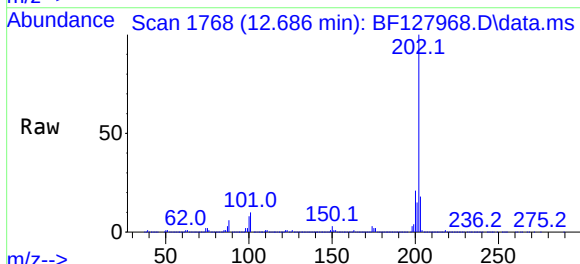
Manual Integrations
 APPROVED

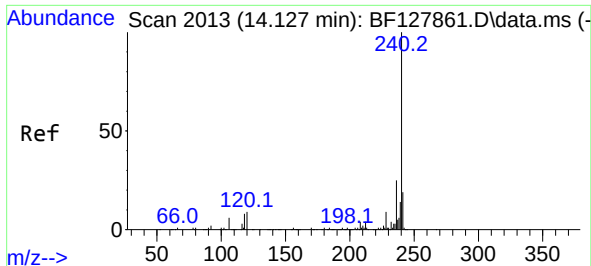
Reviewed By :Christian Giraldo 04/28/2022
 Supervised By :Jagrut Upadhyay 04/28/2022



#75
 Fluoranthene
 Concen: 84.001 ng
 RT: 12.686 min Scan# 1768
 Delta R.T. -0.000 min
 Lab File: BF127968.D
 Acq: 28 Apr 2022 02:07

Tgt Ion:202 Resp: 1110068
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 31.6
 203 17.9 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

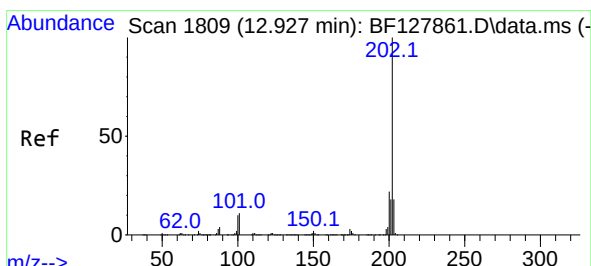
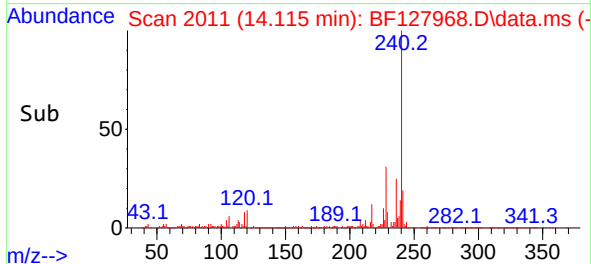
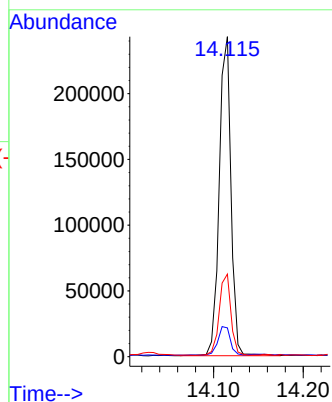
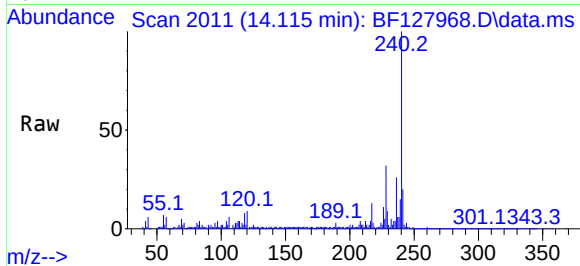
PSC-164718

Tgt Ion:240 Resp: 22005
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 25.8 20.3 30.5

Manual Integrations

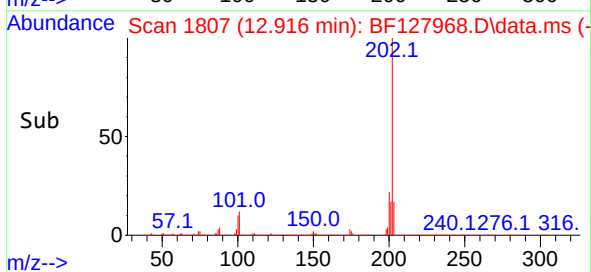
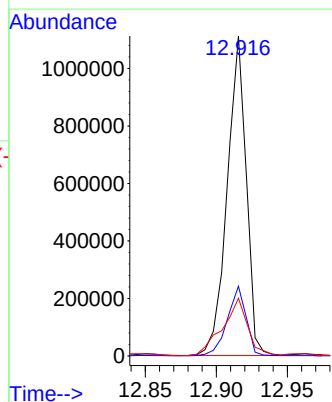
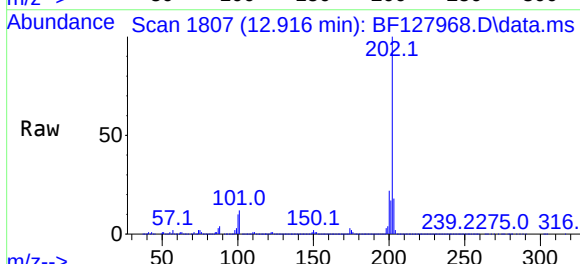
APPROVED

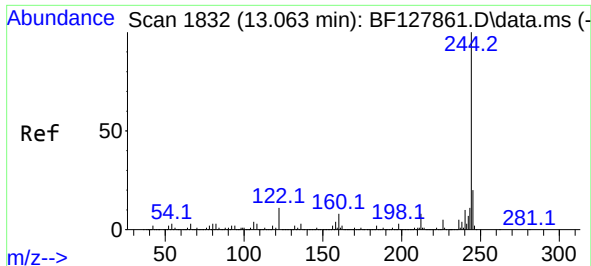
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#78
Pyrene
Concen: 58.491 ng
RT: 12.916 min Scan# 1807
Delta R.T. -0.000 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:202 Resp: 1039005
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 18.0 14.0 21.0





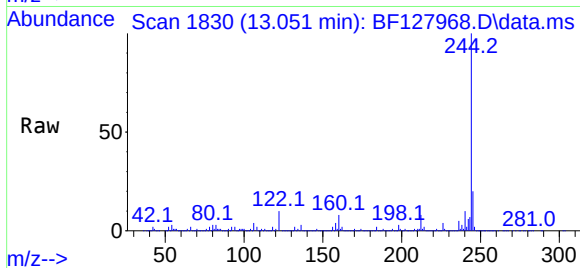
#79
 Terphenyl-d14
 Concen: 76.487 ng
 RT: 13.051 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127968.D
 Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

PSC-164718

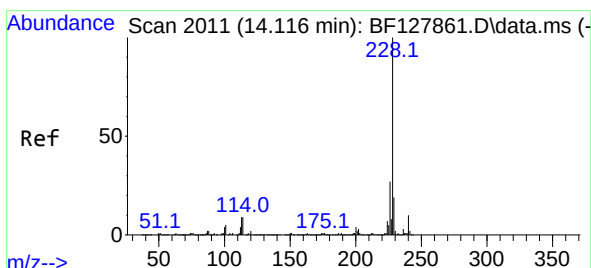
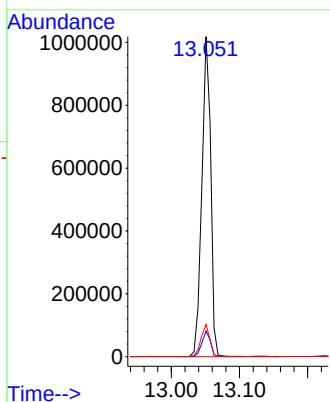
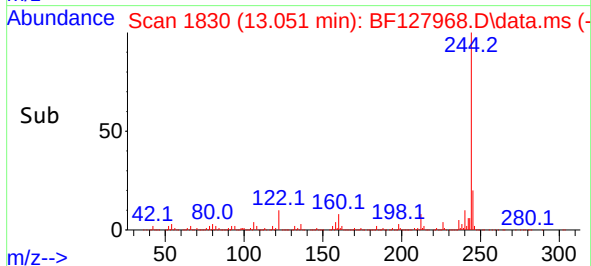


Tgt Ion:244 Resp: 920452
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.4
 122 10.1 8.6 12.8

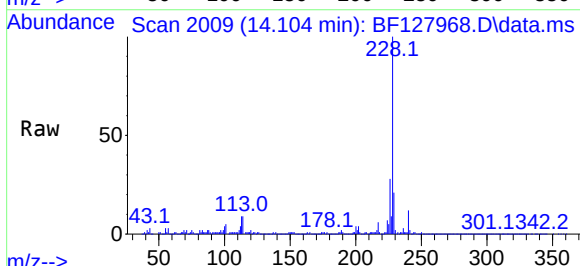
Manual Integrations

APPROVED

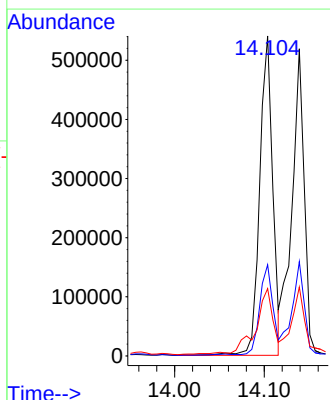
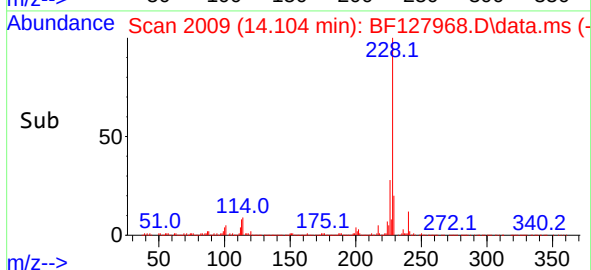
Reviewed By :Christian Giraldo 04/28/2022
 Supervised By :Jagrut Upadhyay 04/28/2022

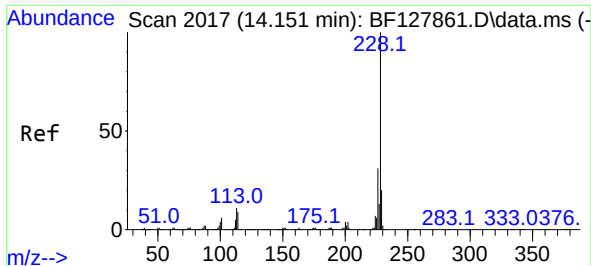


#81
 Benzo(a)anthracene
 Concen: 37.083 ng
 RT: 14.104 min Scan# 2009
 Delta R.T. -0.000 min
 Lab File: BF127968.D
 Acq: 28 Apr 2022 02:07



Tgt Ion:228 Resp: 543892
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.7 32.5
 229 21.1 15.4 23.2





#83
Chrysene
Concen: 35.603 ng m
RT: 14.139 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

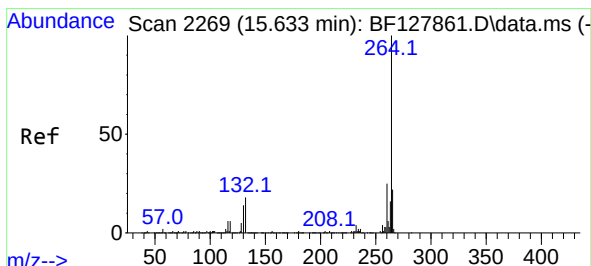
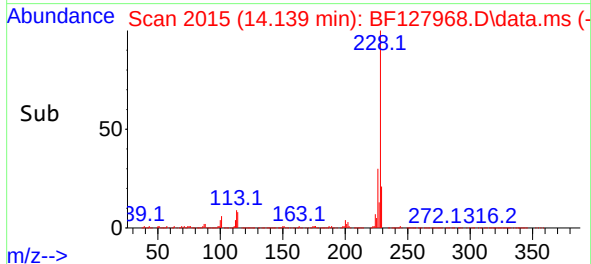
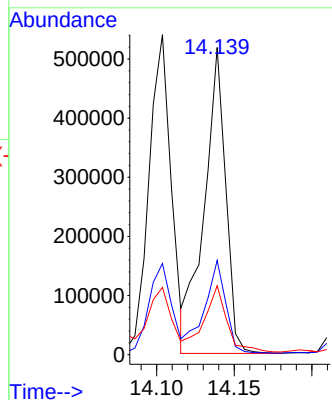
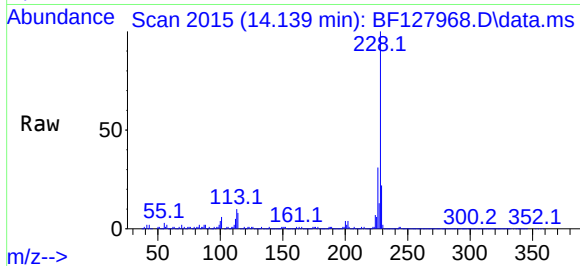
PSC-164718

Tgt Ion:228 Resp: 498710
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.5 15.8 23.8

Manual Integrations

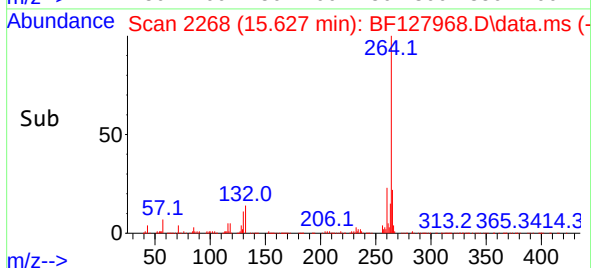
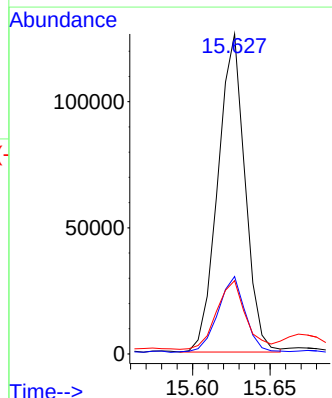
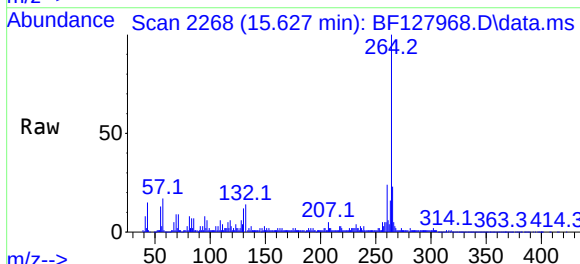
APPROVED

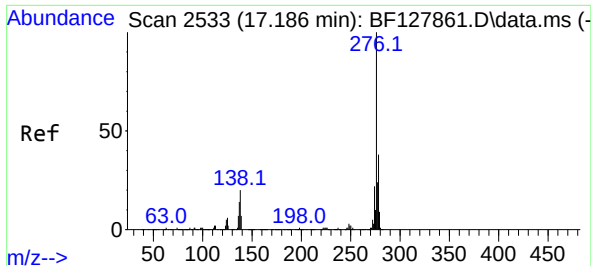
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2268
Delta R.T. 0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:264 Resp: 153226
Ion Ratio Lower Upper
264 100
260 24.2 20.1 30.1
265 22.9 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.272 ng
RT: 17.168 min Scan# 2190
Delta R.T. -0.000 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

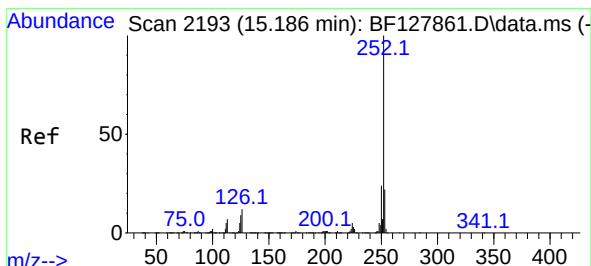
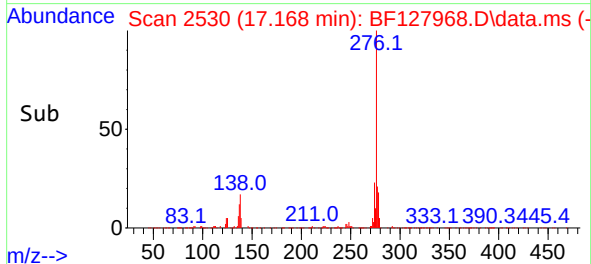
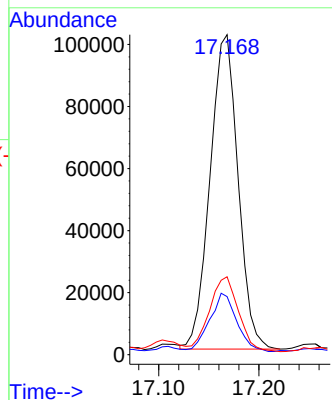
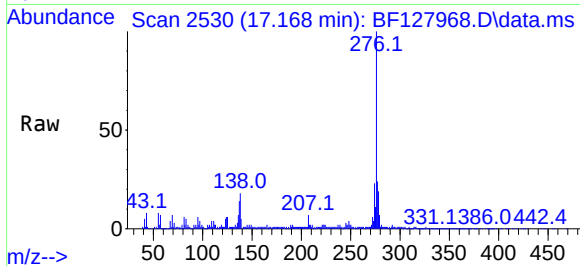
PSC-164718

Tgt Ion:276 Resp: 19710
Ion Ratio Lower Upper
276 100
138 18.5 19.0 28.4
277 24.8 20.1 30.1

Manual Integrations

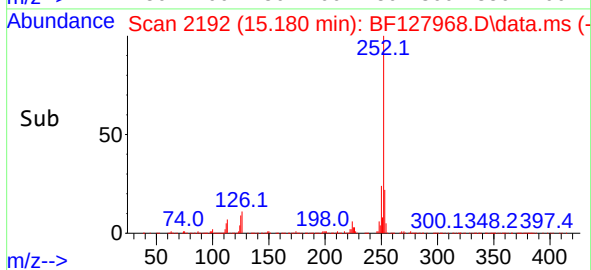
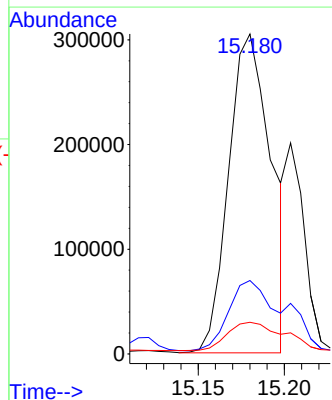
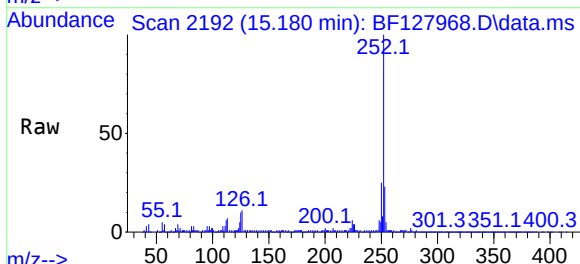
APPROVED

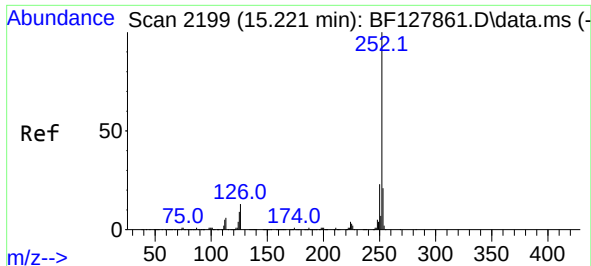
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#88
Benzo(b)fluoranthene
Concen: 54.252 ng m
RT: 15.180 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:252 Resp: 522119
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 9.9 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 15.282 ng m

RT: 15.204 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

Instrument :

BNF

ClientSampleId :

PSC-164718

Tgt Ion:252 Resp: 148170

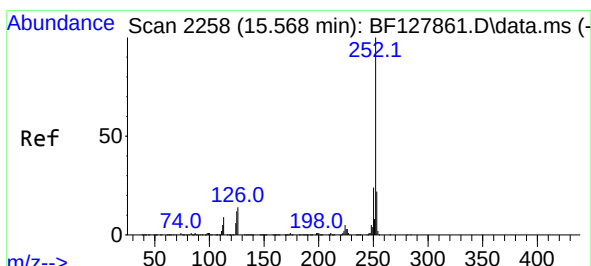
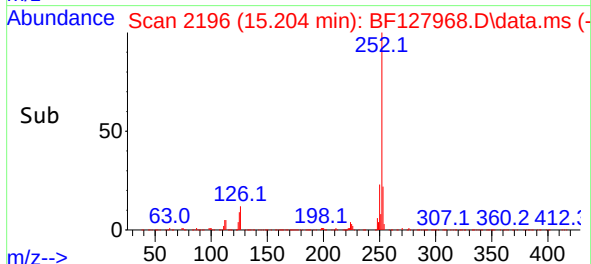
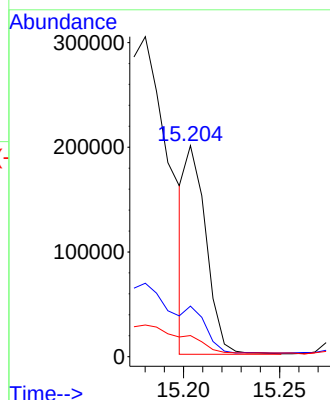
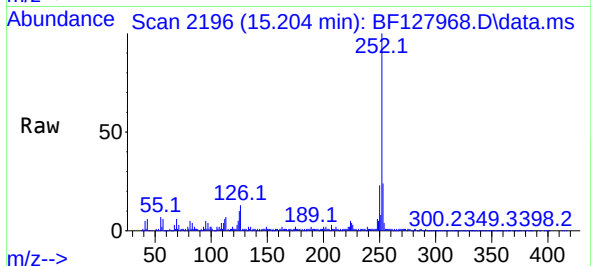
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.4
125	10.0	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2022

Supervised By :Jagrut Upadhyay 04/28/2022



#90

Benzo(a)pyrene

Concen: 43.247 ng

RT: 15.562 min Scan# 2257

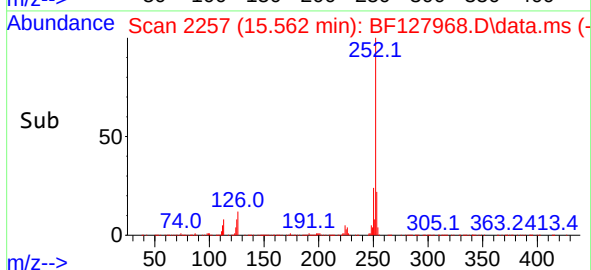
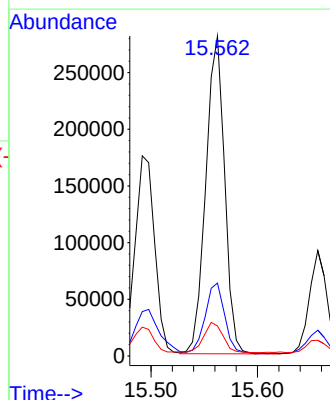
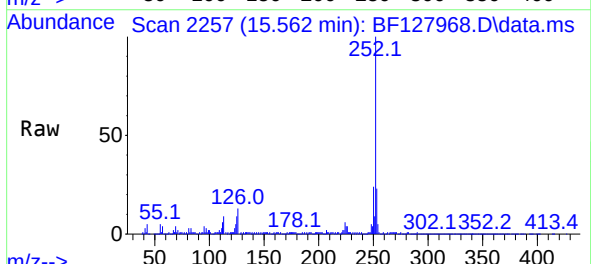
Delta R.T. 0.006 min

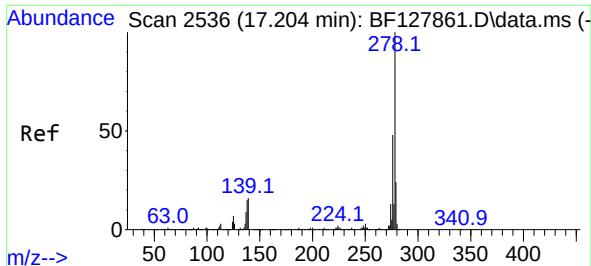
Lab File: BF127968.D

Acq: 28 Apr 2022 02:07

Tgt Ion:252 Resp: 345236

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	9.4	9.2	13.8





#91
Dibenzo(a,h)anthracene
Concen: 5.826 ng
RT: 17.174 min Scan# 2109
Delta R.T. -0.012 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Instrument :

BNA_F

ClientSampleId :

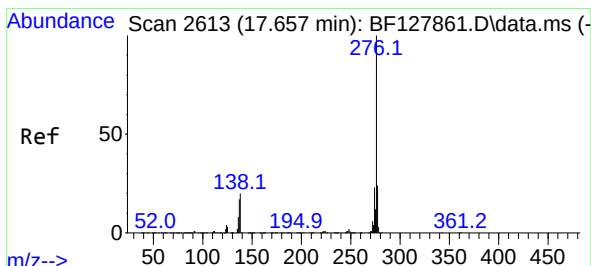
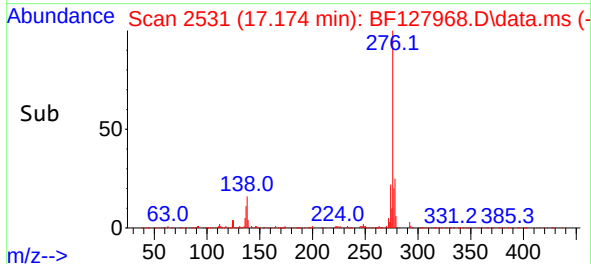
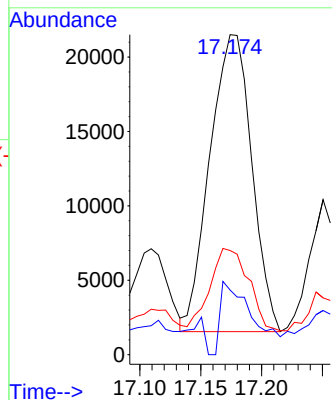
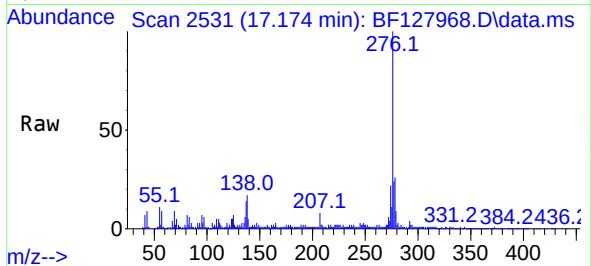
PSC-164718

Tgt Ion:278 Resp: 4779
Ion Ratio Lower Upper
278 100
139 20.2 12.6 19.0
279 32.5 18.9 28.3

Manual Integrations

APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 22.661 ng
RT: 17.633 min Scan# 2609
Delta R.T. -0.006 min
Lab File: BF127968.D
Acq: 28 Apr 2022 02:07

Tgt Ion:276 Resp: 195884
Ion Ratio Lower Upper
276 100
277 24.6 18.8 28.2
138 20.3 16.2 24.2

