

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
 Data File : BF127967.D
 Acq On : 28 Apr 2022 01:38
 Operator : CG\JU
 Sample : N2569-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042622

Manual Integrations
 APPROVED

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

Quant Time: Apr 28 05:18:23 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	96340	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	344885	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	167424	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	242232	20.000	ng	0.00
76) Chrysene-d12	14.110	240	225166	20.000	ng	0.00
86) Perylene-d12	15.621	264	259659	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	659891	109.099	ng	0.00
7) Phenol-d6	6.551	99	842728	107.376	ng	-0.01
23) Nitrobenzene-d5	7.493	82	598357	81.584	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	153974	91.357	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	843485	85.230	ng	0.00
79) Terphenyl-d14	13.051	244	622249	50.533	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.234	128	55443	3.156	ng	98
52) Acenaphthene	10.004	154	90039m	9.274	ng	
55) Dibenzofuran	10.175	168	61022	4.356	ng	98
58) Fluorene	10.522	166	76304	7.300	ng	98
71) Phenanthrene	11.486	178	369838	29.168	ng	99
72) Anthracene	11.539	178	113465	8.983	ng	99
73) Carbazole	11.692	167	46705	3.837	ng	98
75) Fluoranthene	12.680	202	884344	66.268	ng	99
78) Pyrene	12.916	202	845575	46.520	ng	99
81) Benzo(a)anthracene	14.104	228	570227	37.995	ng	97
83) Chrysene	14.139	228	563486	39.313	ng	97
87) Indeno(1,2,3-cd)pyrene	17.157	276	210720	12.158	ng	94
88) Benzo(b)fluoranthene	15.180	252	954006m	58.496	ng	
89) Benzo(k)fluoranthene	15.204	252	240957m	14.665	ng	
90) Benzo(a)pyrene	15.557	252	480695	35.533	ng	98
91) Dibenzo(a,h)anthracene	17.168	278	68591	4.935	ng	93
92) Benzo(g,h,i)perylene	17.621	276	174943	11.943	ng	97

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

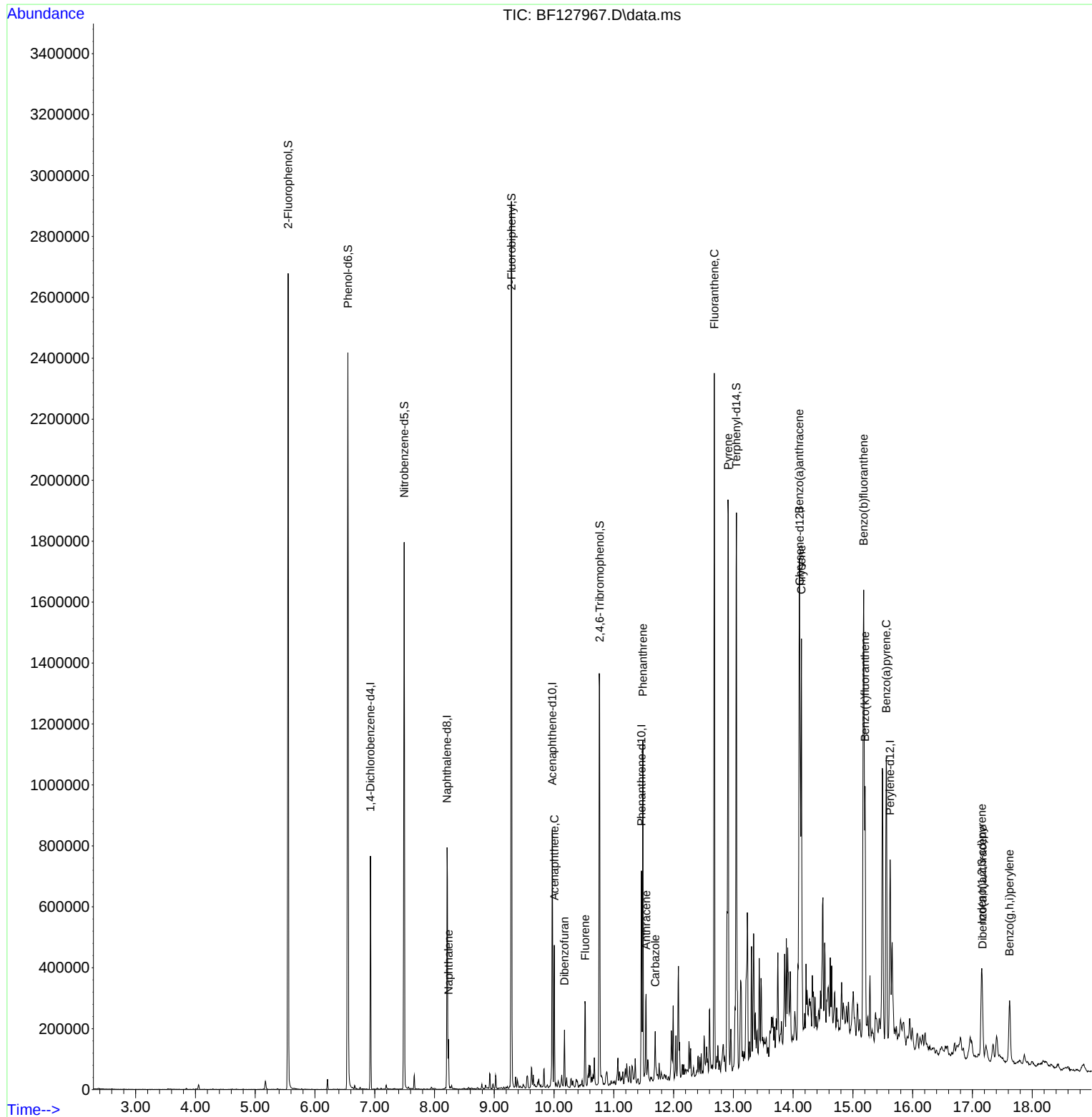
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Instrument :

BNA_F

ClientSampleId :

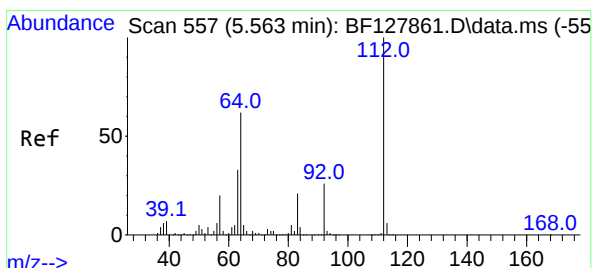
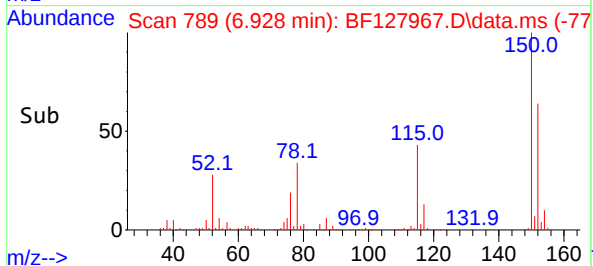
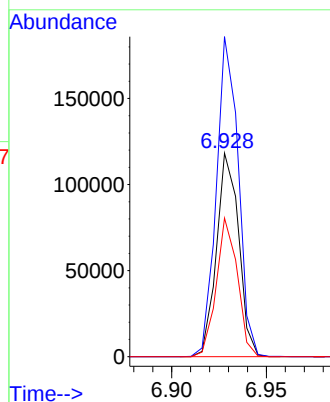
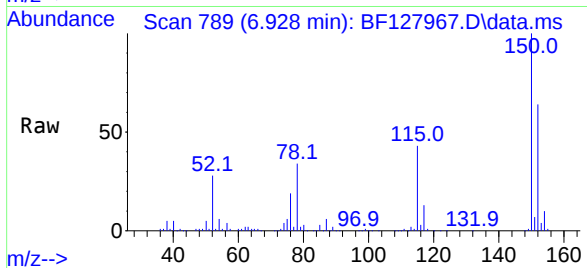
OR-02-042622

Tgt Ion:152 Resp: 96340
Ion Ratio Lower Upper
152 100
150 157.2 125.3 187.9
115 68.1 48.8 73.2

Manual Integrations

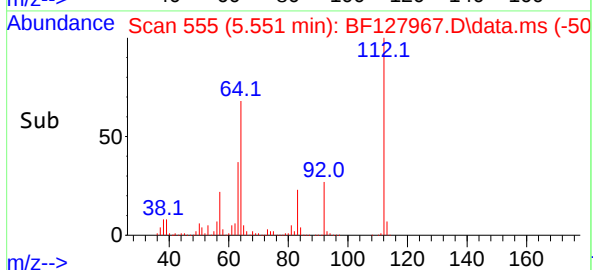
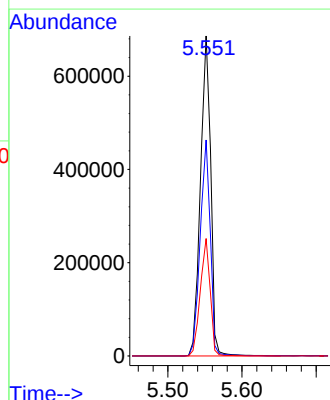
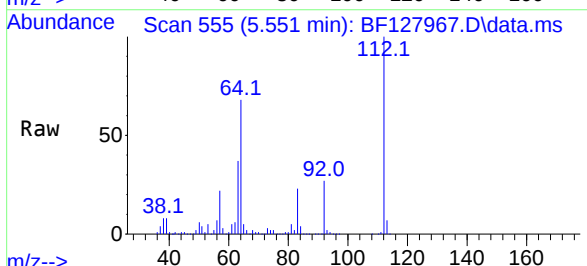
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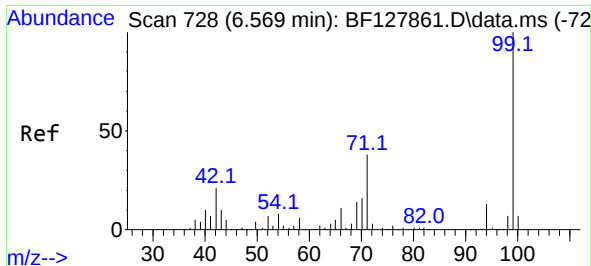
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Supervised By :Jagrut Upadhyay 04/28/2022



#5
2-Fluorophenol
Concen: 109.099 ng
RT: 5.551 min Scan# 555
Delta R.T. 0.000 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

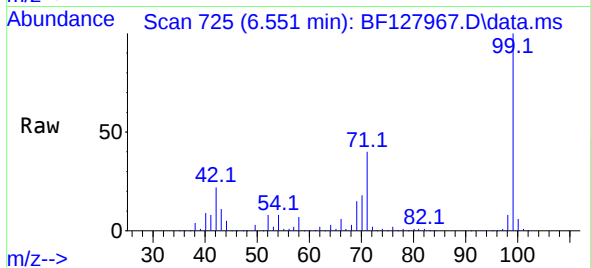
Tgt Ion:112 Resp: 659891
Ion Ratio Lower Upper
112 100
64 67.5 49.5 74.3
63 36.7 26.3 39.5





#7
Phenol-d6
Concen: 107.376 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

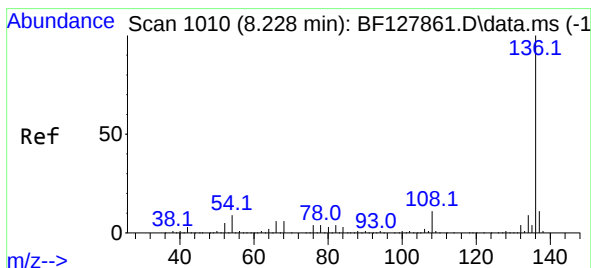
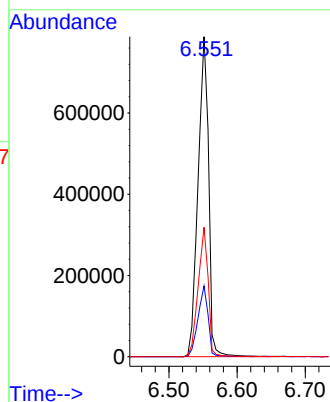
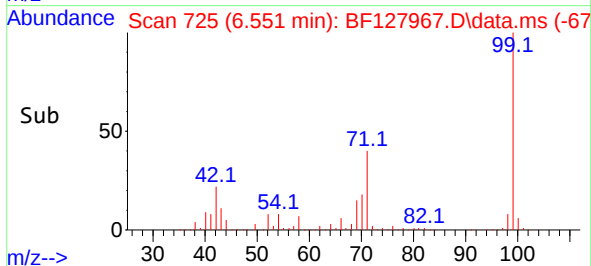
Instrument :
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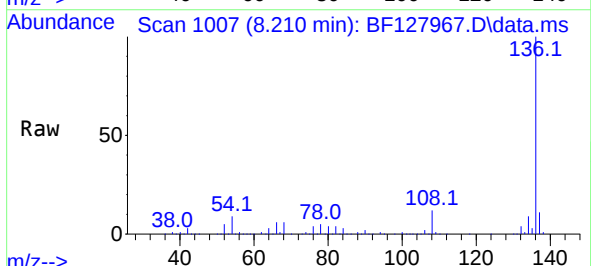
Tgt Ion: 99 Resp: 842728
Ion Ratio Lower Upper
99 100
42 22.1 16.6 24.8
71 40.4 30.0 45.0

Manual Integrations
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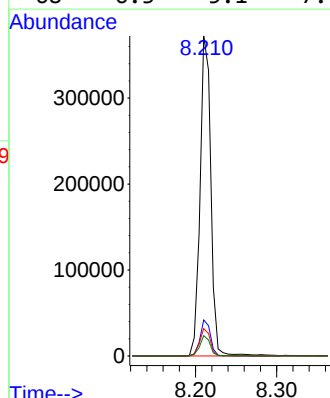
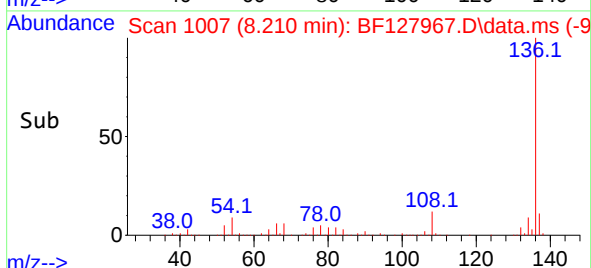
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38



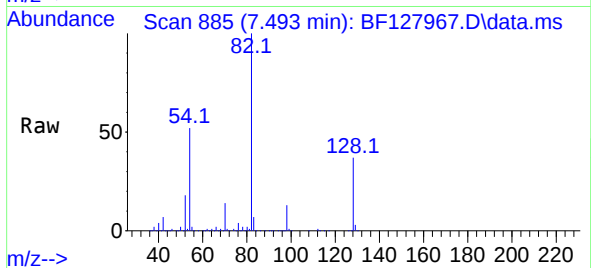
Tgt Ion:136 Resp: 344885
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.5 6.8 10.2
68 6.3 5.1 7.7





#23
Nitrobenzene-d5
Concen: 81.584 ng
RT: 7.493 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

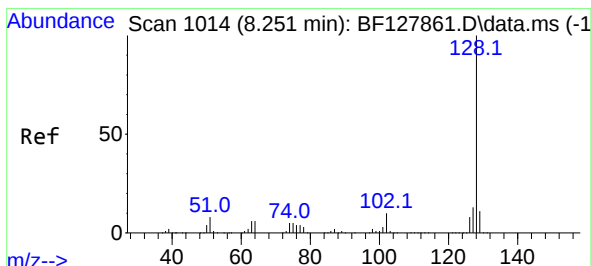
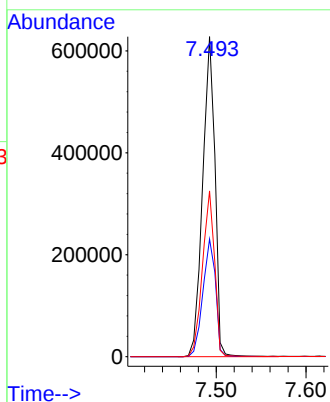
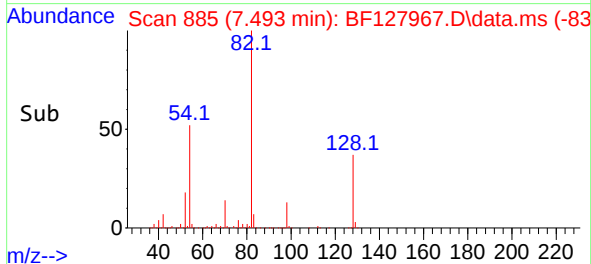
Instrument :
BNA_F
ClientSampleId :
OR-02-042622



Tgt Ion: 82 Resp: 59835
Ion Ratio Lower Upper
82 100
128 36.8 30.0 45.0
54 51.8 41.3 61.9

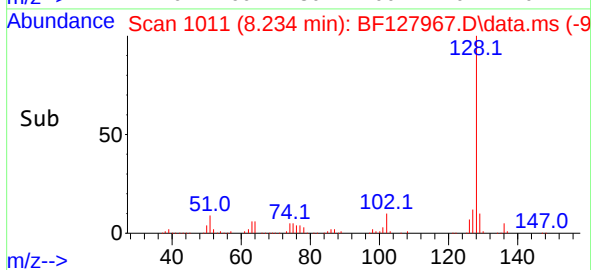
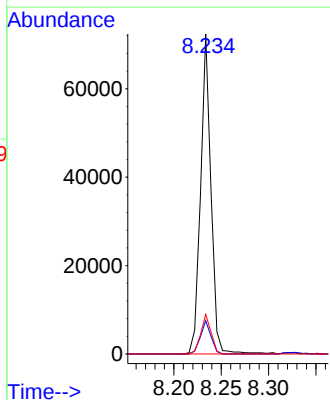
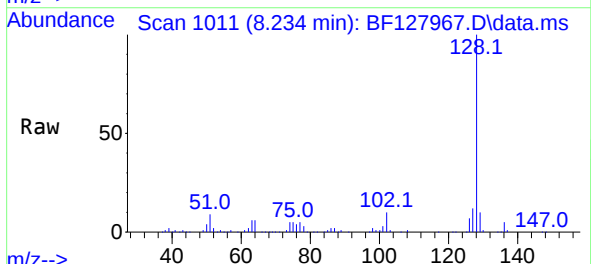
Manual Integrations
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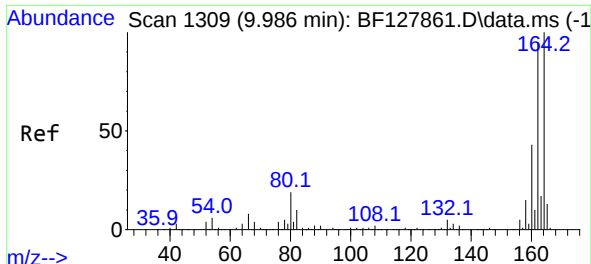
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Supervised By :Jagrut Upadhyay 04/28/2022



#31
Naphthalene
Concen: 3.156 ng
RT: 8.234 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion:128 Resp: 55443
Ion Ratio Lower Upper
128 100
129 10.4 9.0 13.4
127 12.4 10.6 16.0





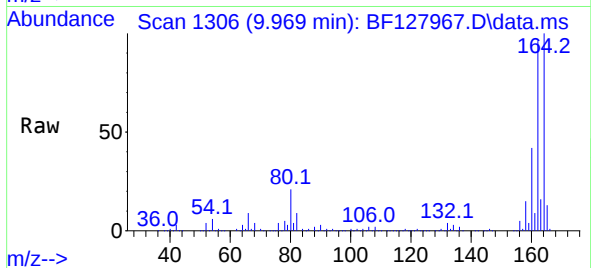
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Instrument :

BNA_F

ClientSampleId :

OR-02-042622

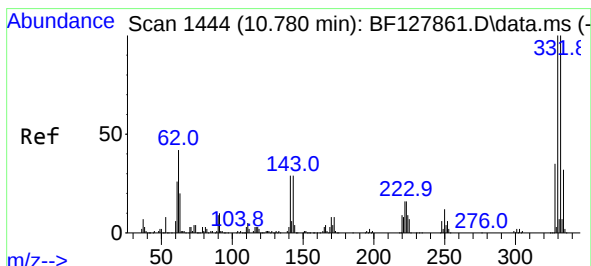
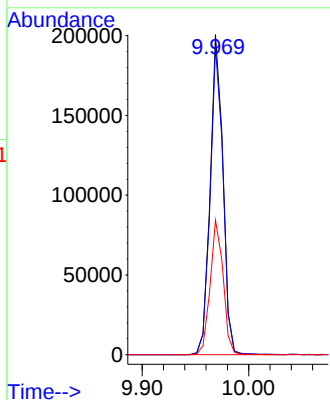
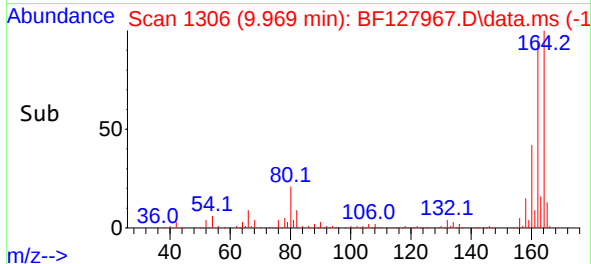


Tgt Ion:164 Resp: 167424
Ion Ratio Lower Upper
164 100
162 96.2 76.0 114.0
160 42.0 34.8 52.2

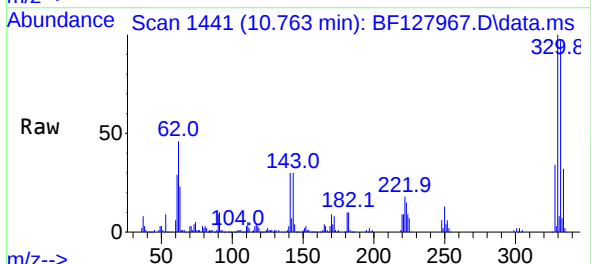
Manual Integrations

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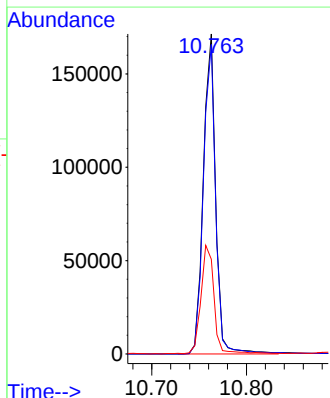
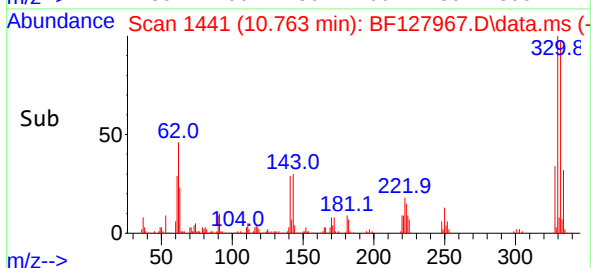
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022

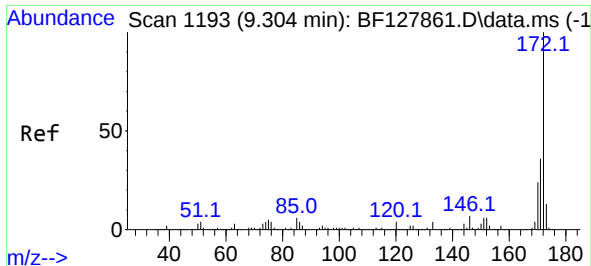


#42
2,4,6-Tribromophenol
Concen: 91.357 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38



Tgt Ion:330 Resp: 153974
Ion Ratio Lower Upper
330 100
332 97.2 79.0 118.4
141 36.8 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 85.230 ng

RT: 9.287 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF127967.D

Acq: 28 Apr 2022 01:38

Instrument :

BNA_F

ClientSampleId :

OR-02-042622

Tgt Ion:172 Resp: 84348

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

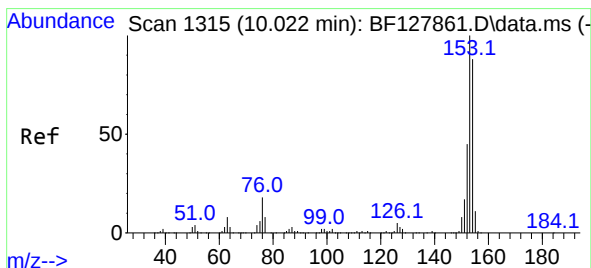
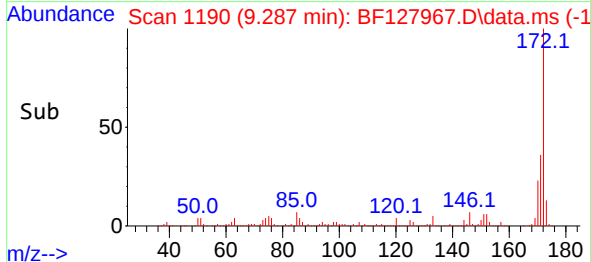
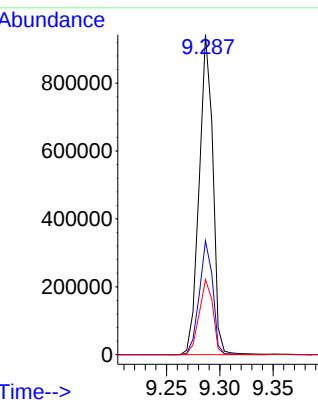
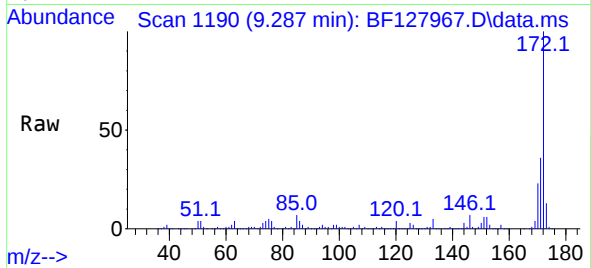
170 23.4 19.1 28.7

Manual Integrations

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#52

Acenaphthene

Concen: 9.274 ng m

RT: 10.004 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF127967.D

Acq: 28 Apr 2022 01:38

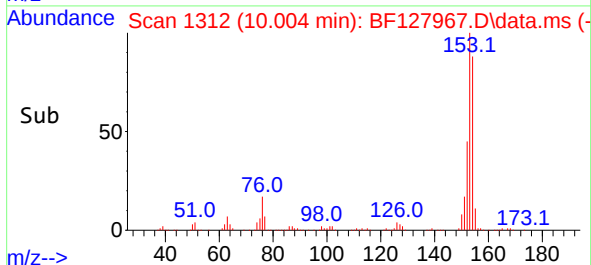
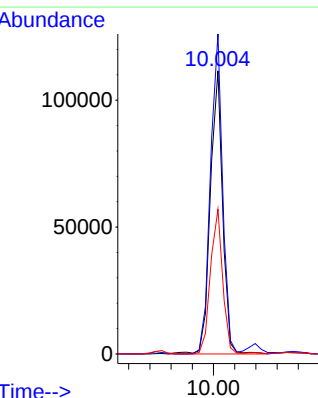
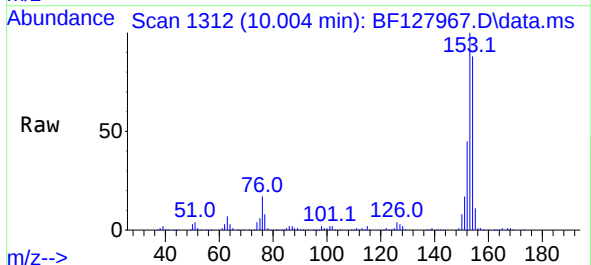
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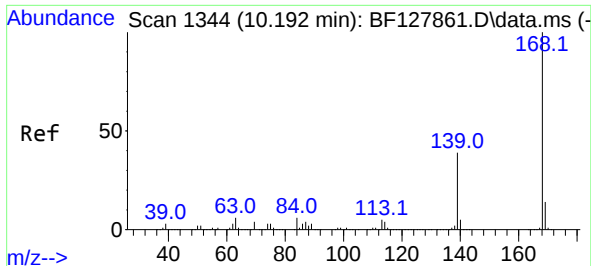
Ion Ratio Lower Upper

154 100

153 113.0 90.5 135.7

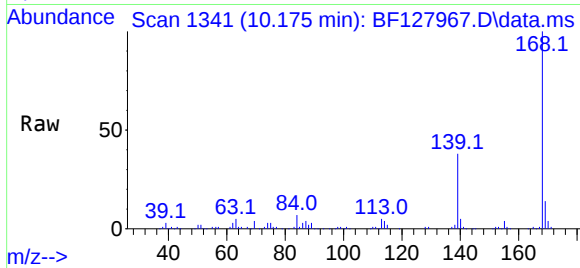
152 51.1 41.0 61.6





#55
Dibenzenofuran
Concen: 4.356 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

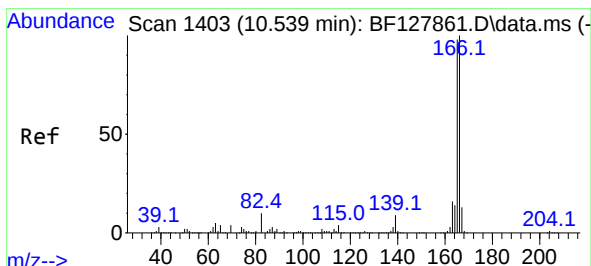
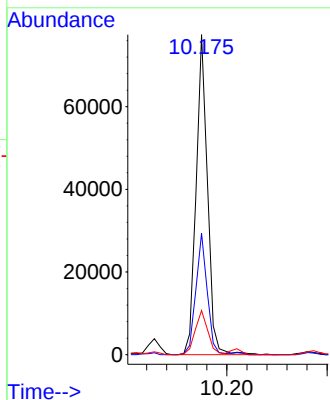
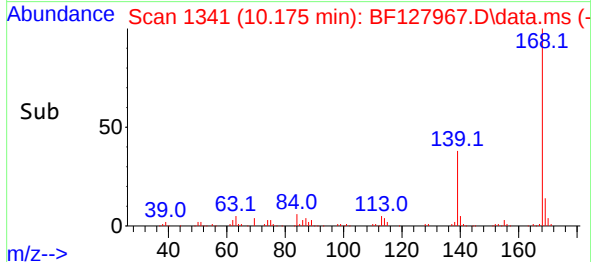
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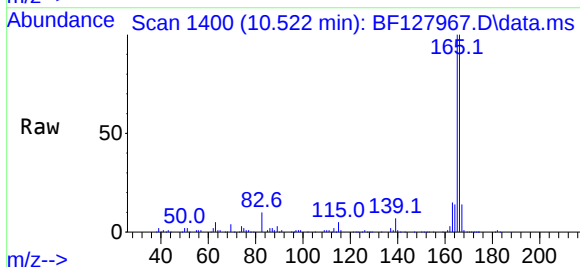
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Ion Ratio Lower Upper
168 100
139 37.9 31.7 47.5
169 13.8 10.9 16.3

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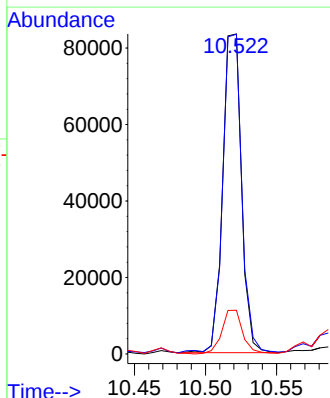
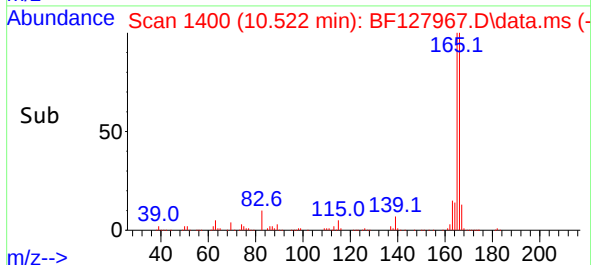
Reviewed By :Christian Giraldo 04/28/2022
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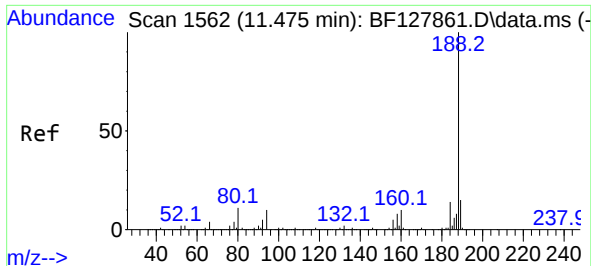


#58
Fluorene
Concen: 7.300 ng
RT: 10.522 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38



Tgt Ion:166 Resp: 76304
Ion Ratio Lower Upper
166 100
165 99.9 78.6 117.8
167 13.6 10.5 15.7





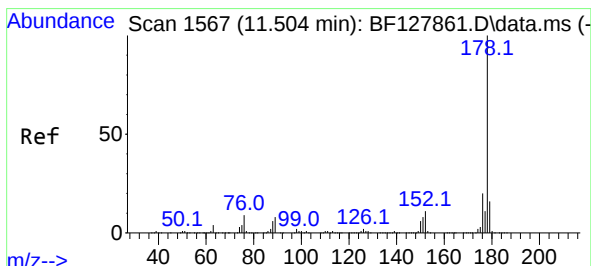
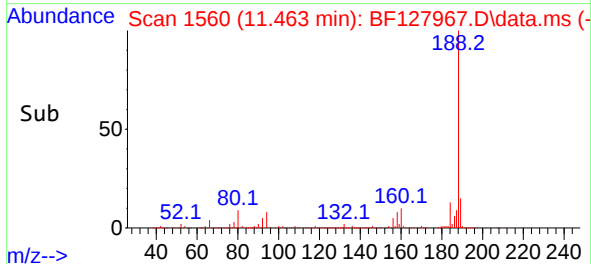
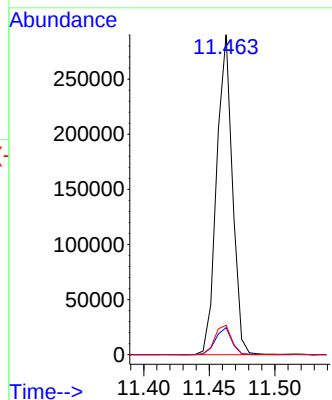
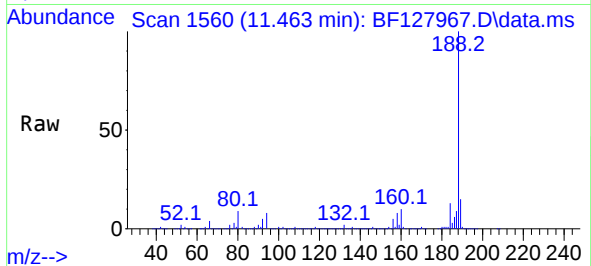
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Tgt Ion:188 Resp: 24223
Ion Ratio Lower Upper
188 100
94 8.5 8.0 12.0
80 9.2 8.9 13.3

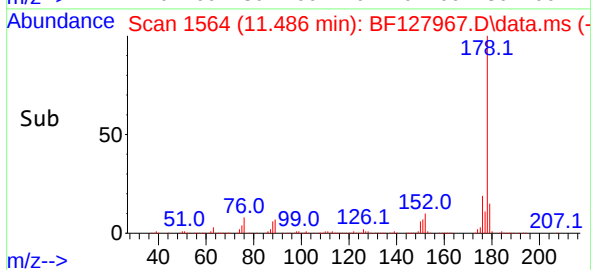
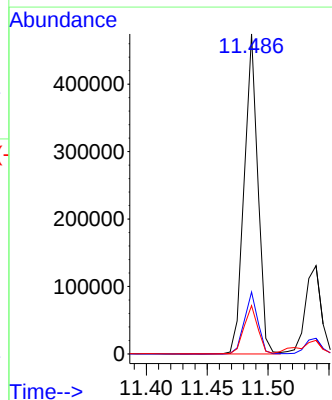
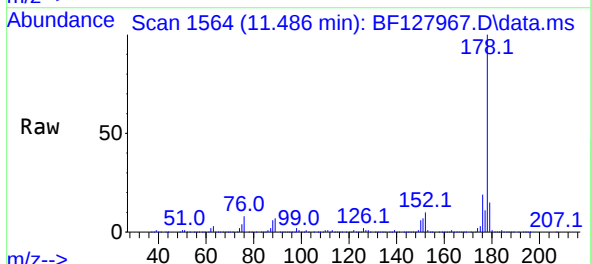
Manual Integrations
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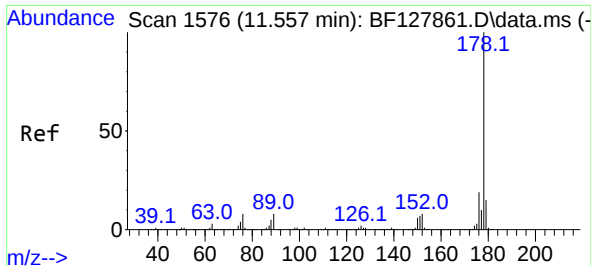
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#71
Phenanthrene
Concen: 29.168 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion:178 Resp: 369838
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.1 12.6 19.0





#72
 Anthracene
 Concen: 8.983 ng
 RT: 11.539 min Scan# 1159
 Delta R.T. -0.006 min
 Lab File: BF127967.D
 Acq: 28 Apr 2022 01:38

Instrument :

BNA_F

ClientSampleId :

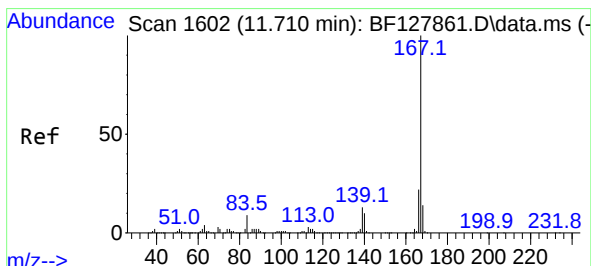
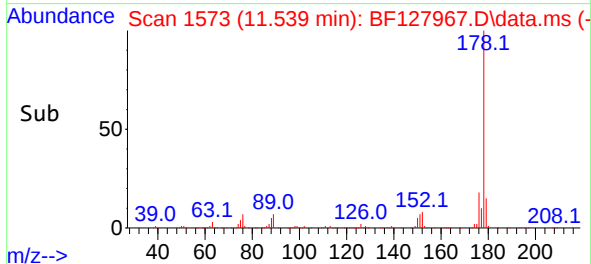
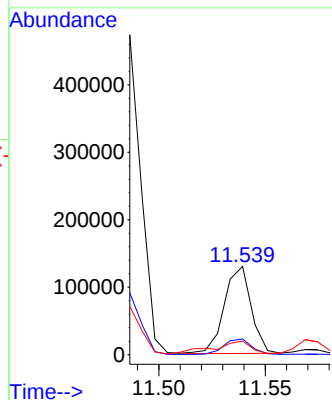
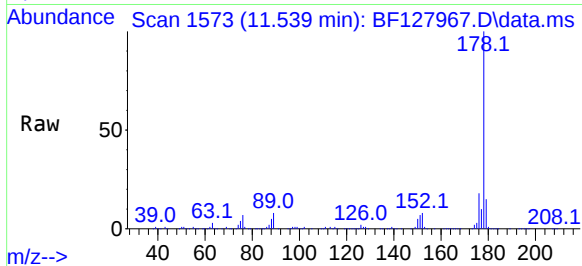
OR-02-042622

Tgt Ion:178 Resp: 11346
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.0 22.6
 179 15.3 12.4 18.6

Manual Integrations

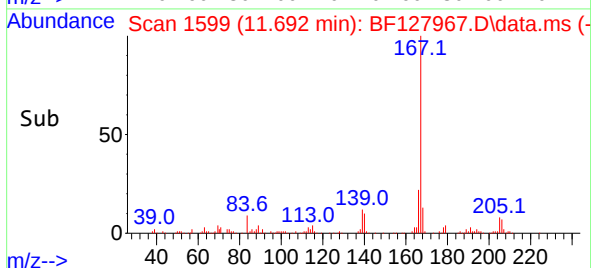
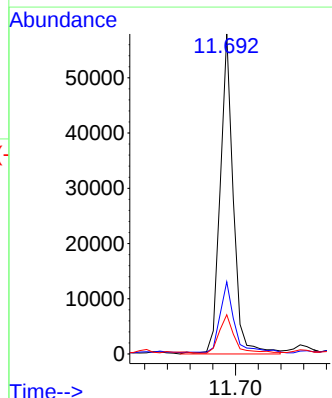
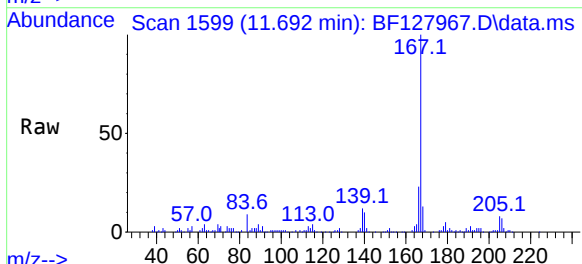
APPROVED

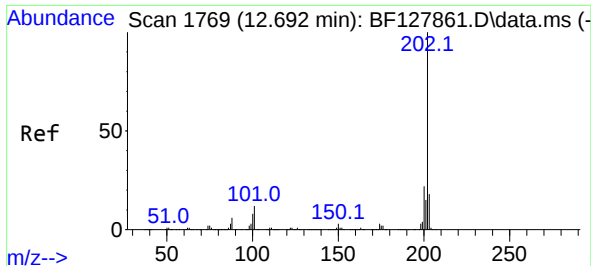
Reviewed By :Christian Giraldo 04/28/2022
 Supervised By :Jagrut Upadhyay 04/28/2022



#73
 Carbazole
 Concen: 3.837 ng
 RT: 11.692 min Scan# 1599
 Delta R.T. -0.006 min
 Lab File: BF127967.D
 Acq: 28 Apr 2022 01:38

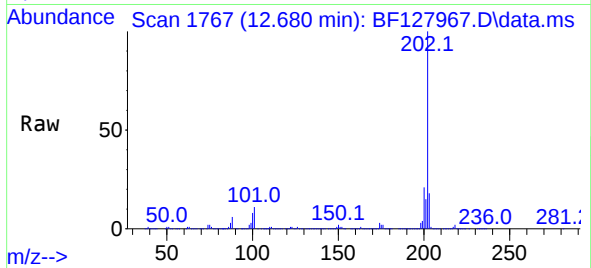
Tgt Ion:167 Resp: 46705
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.6 26.4
 139 12.3 10.7 16.1





#75
Fluoranthene
Concen: 66.268 ng
RT: 12.680 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

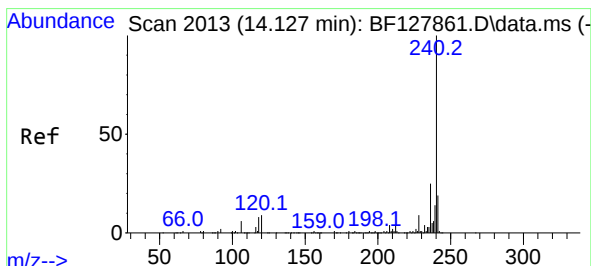
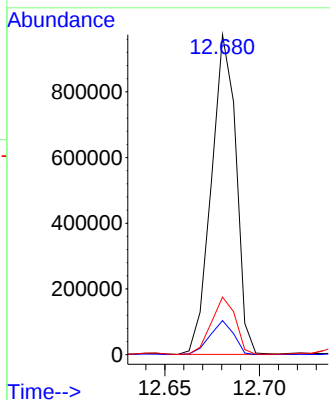
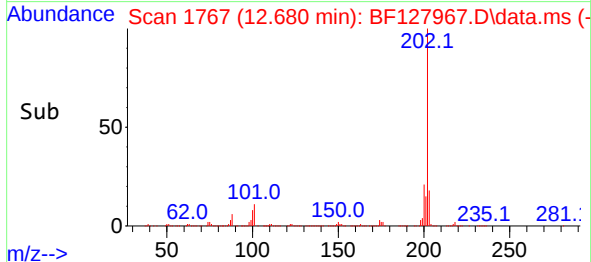
Instrument :
BNA_F
ClientSampleId :
OR-02-042622



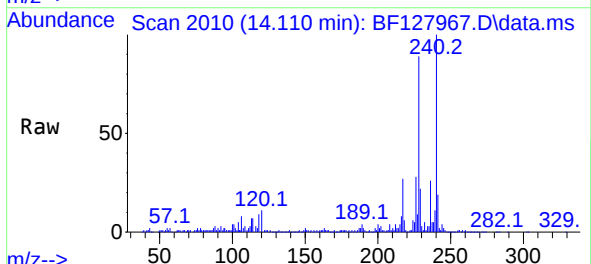
Tgt Ion:202 Resp: 884344
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.6
203 18.0 0.0 38.1

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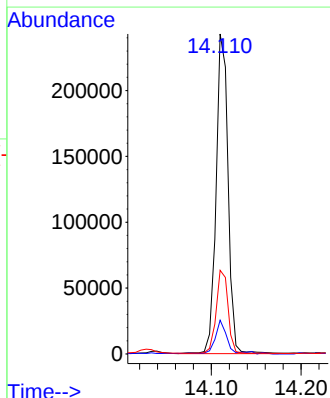
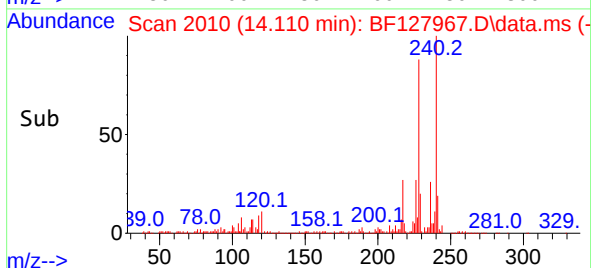
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022

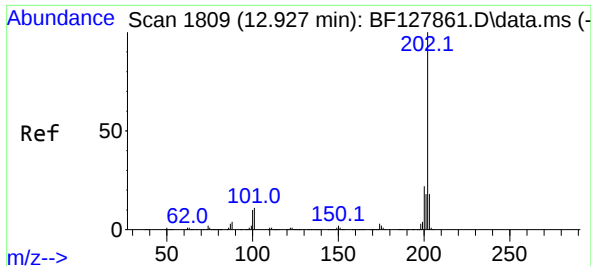


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38



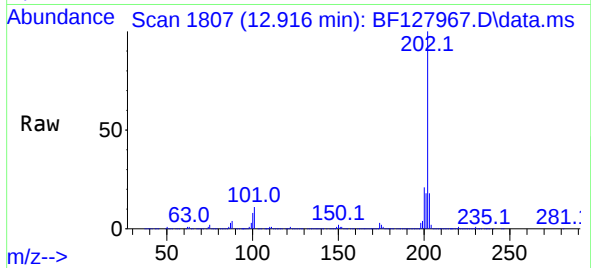
Tgt Ion:240 Resp: 225166
Ion Ratio Lower Upper
240 100
120 10.5 7.0 10.6
236 26.1 20.3 30.5





#78
Pyrene
Concen: 46.520 ng
RT: 12.916 min Scan# 1807
Delta R.T. 0.000 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

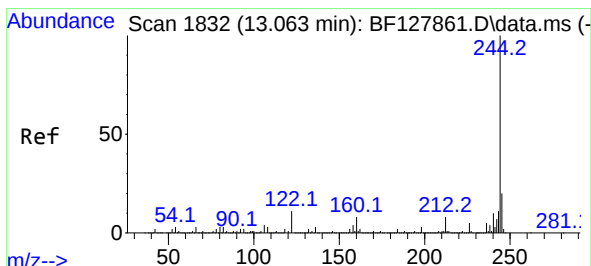
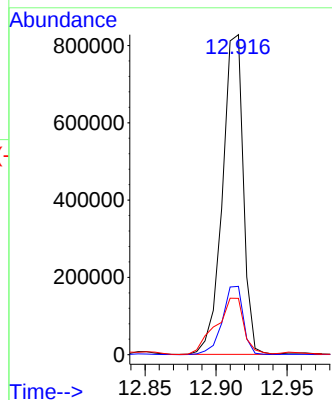
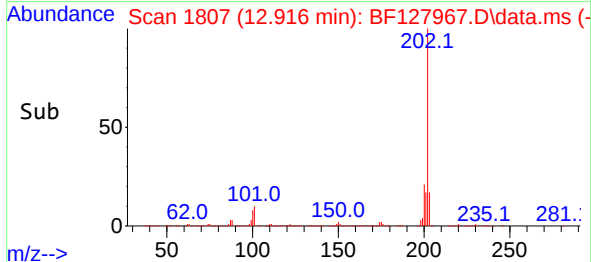
Instrument :
BNA_F
ClientSampleId :
OR-02-042622



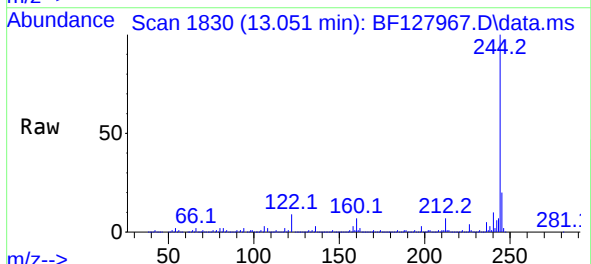
Tgt Ion:202 Resp: 845579
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.6 14.0 21.0

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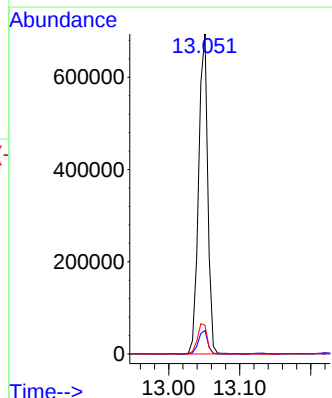
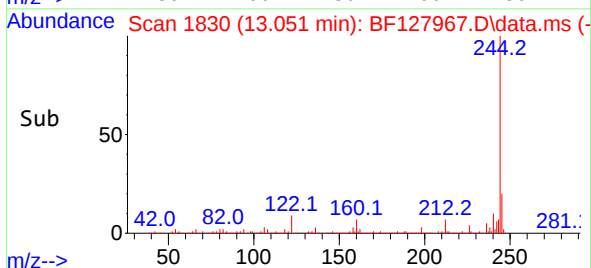
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022

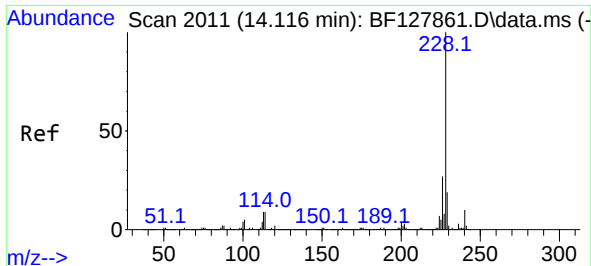


#79
Terphenyl-d14
Concen: 50.533 ng
RT: 13.051 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38



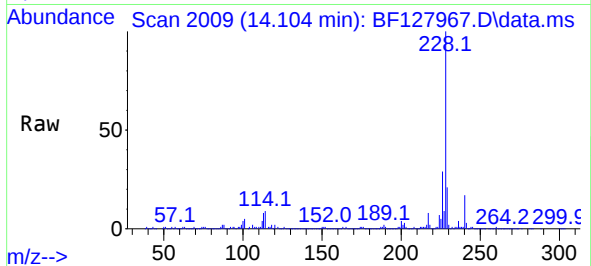
Tgt Ion:244 Resp: 622249
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.4
122 8.9 8.6 12.8





#81
Benzo(a)anthracene
Concen: 37.995 ng
RT: 14.104 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

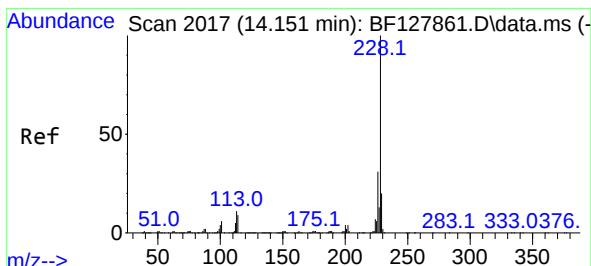
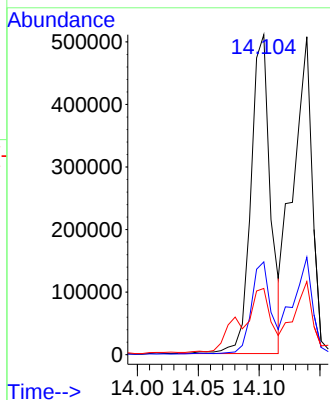
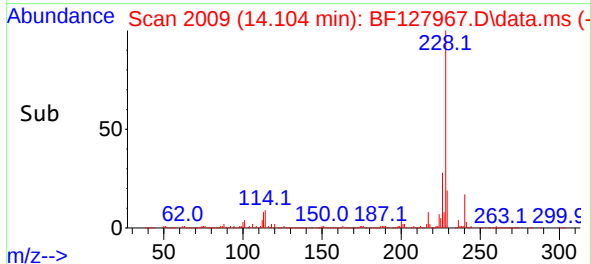
Instrument :
BNA_F
ClientSampleId :
OR-02-042622



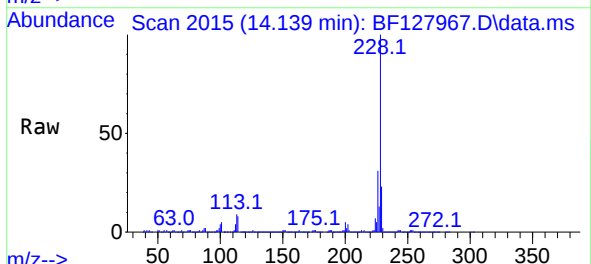
Tgt Ion:228 Resp: 57022
Ion Ratio Lower Upper
228 100
226 29.0 21.7 32.5
229 20.7 15.4 23.2

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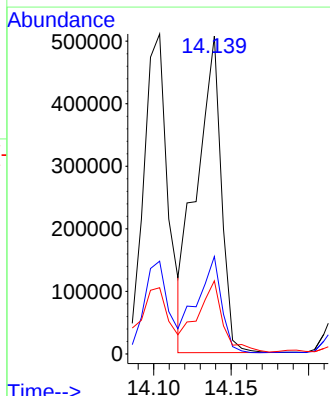
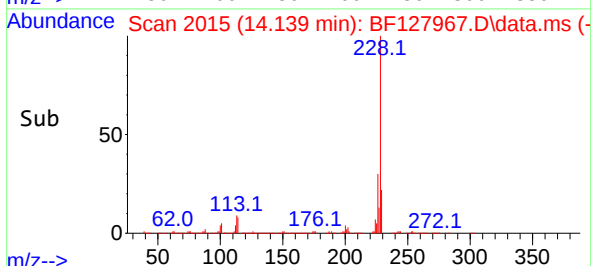
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022

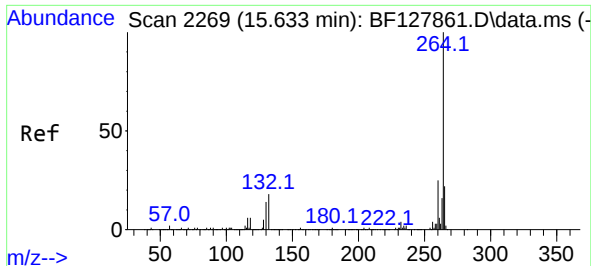


#83
Chrysene
Concen: 39.313 ng
RT: 14.139 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38



Tgt Ion:228 Resp: 563486
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 23.0 15.8 23.8





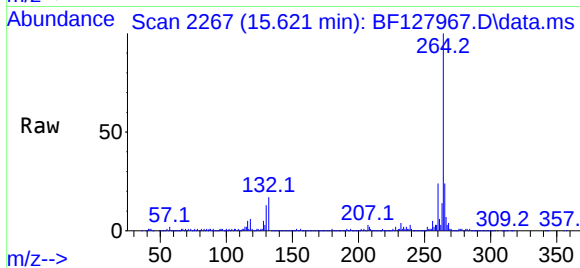
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Instrument :

BNA_F

ClientSampleId :

OR-02-042622

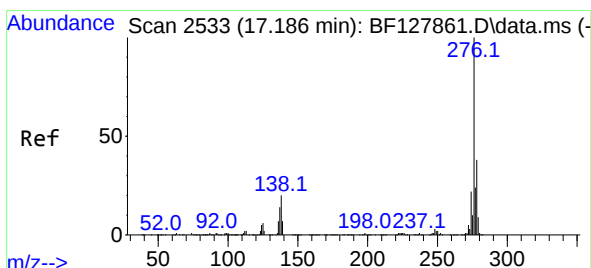
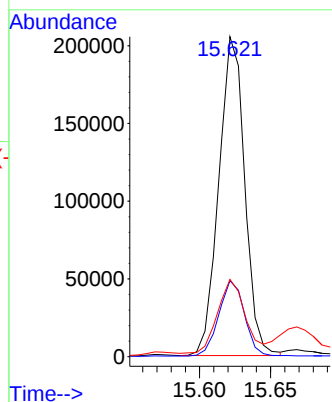
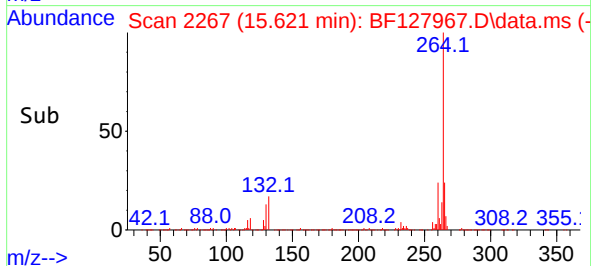


Tgt Ion:264 Resp: 259659
Ion Ratio Lower Upper
264 100
260 23.8 20.1 30.1
265 24.2 17.5 26.3

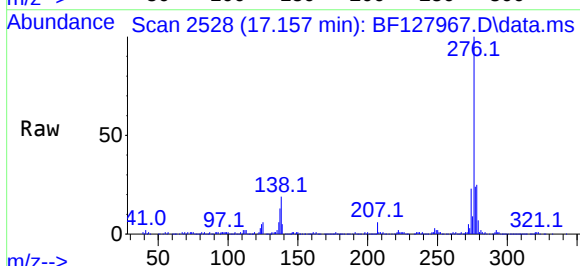
Manual Integrations

APPROVED

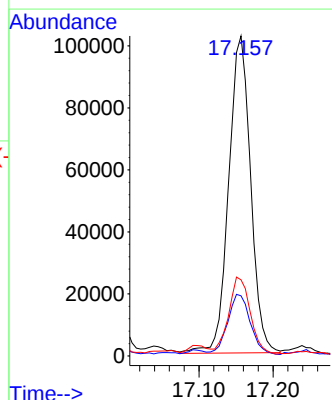
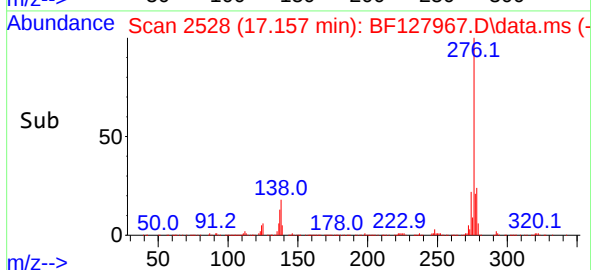
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022

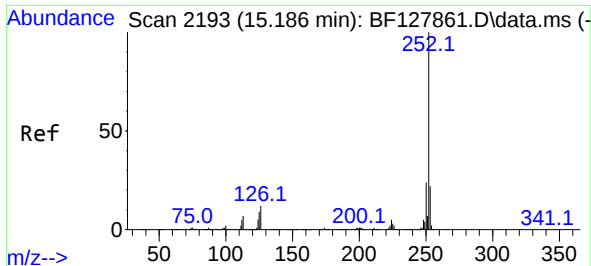


#87
Indeno(1,2,3-cd)pyrene
Concen: 12.158 ng
RT: 17.157 min Scan# 2528
Delta R.T. -0.012 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38



Tgt Ion:276 Resp: 210720
Ion Ratio Lower Upper
276 100
138 19.6 19.0 28.4
277 23.5 20.1 30.1





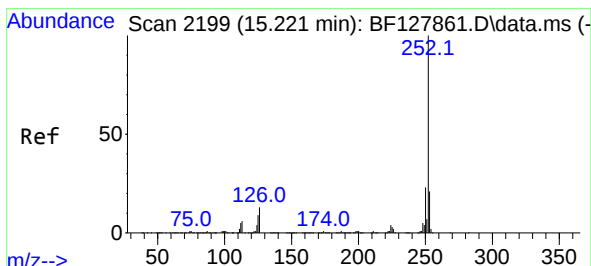
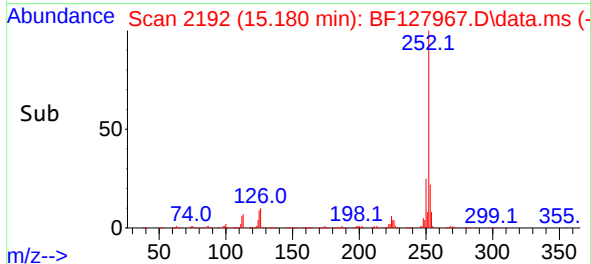
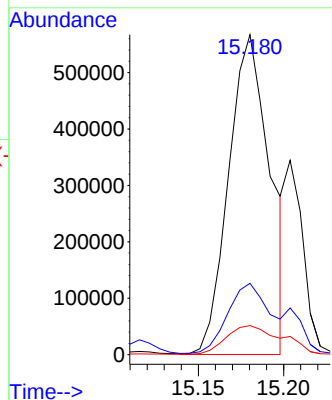
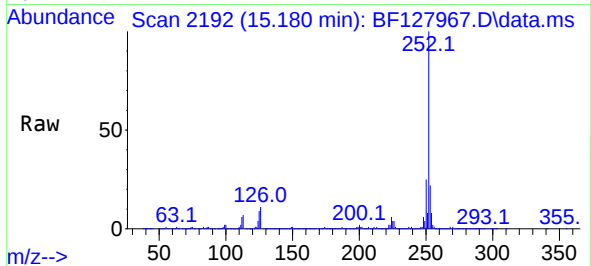
#88
Benzo(b)fluoranthene
Concen: 58.496 ng m
RT: 15.180 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Tgt Ion:252 Resp: 954000
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 9.1 7.4 11.2

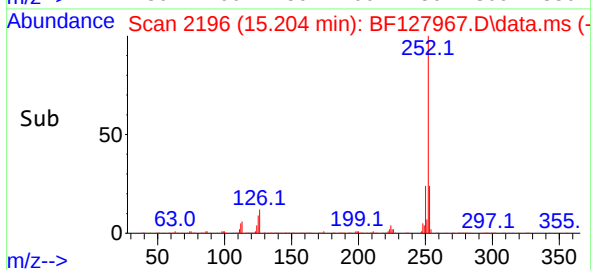
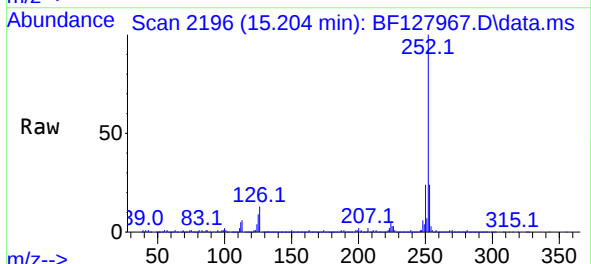
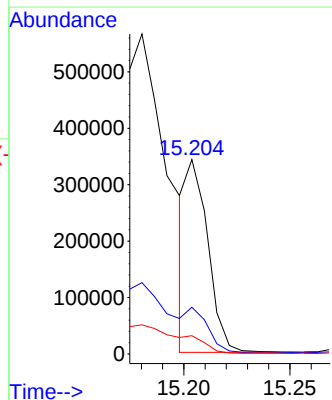
Manual Integrations
APPROVED

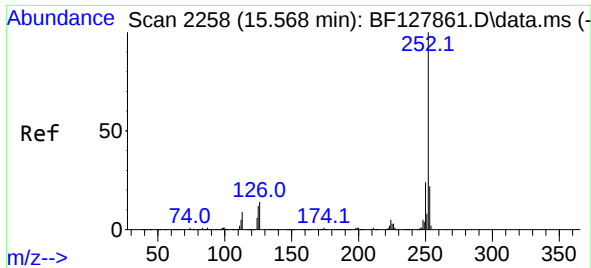
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#89
Benzo(k)fluoranthene
Concen: 14.665 ng m
RT: 15.204 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion:252 Resp: 240957
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.4
125 9.4 6.8 10.2





#90
Benzo(a)pyrene
Concen: 35.533 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Instrument :

BNA_F

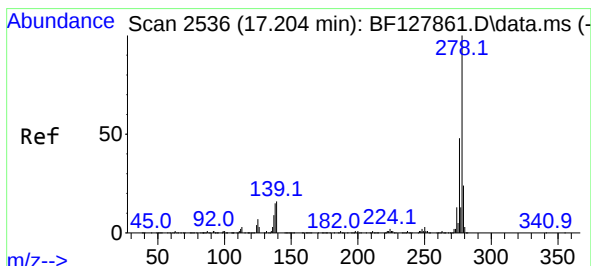
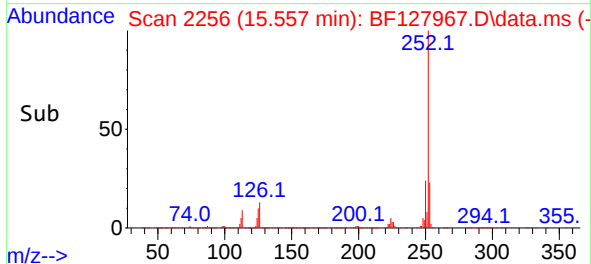
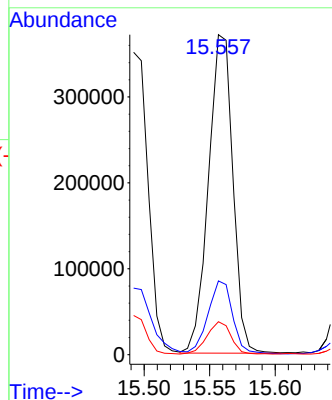
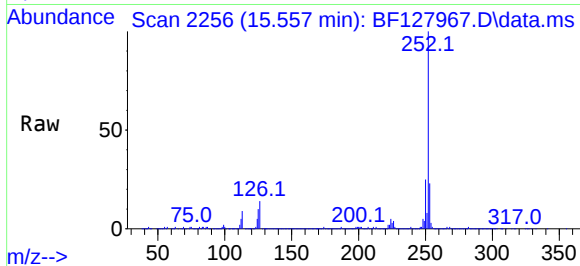
ClientSampleId :

OR-02-042622

Tgt Ion:252 Resp: 48069
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 10.3 9.2 13.8

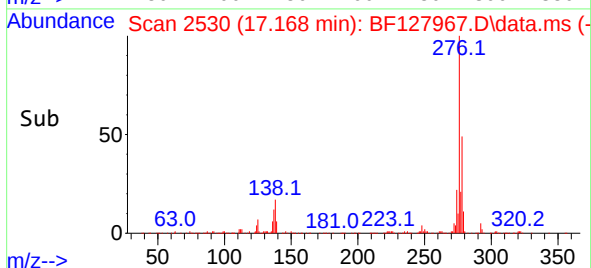
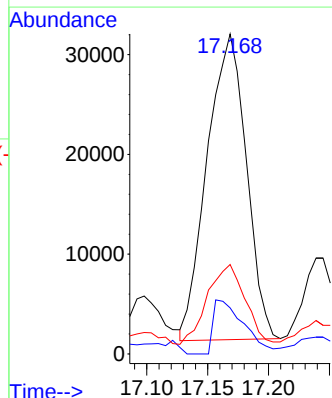
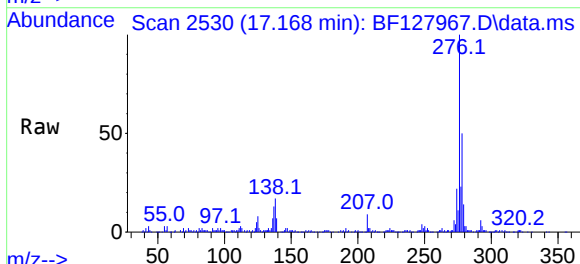
Manual Integrations
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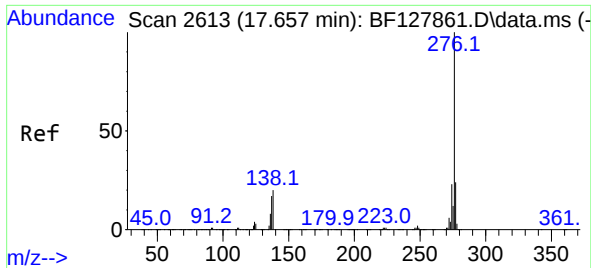
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.935 ng
RT: 17.168 min Scan# 2530
Delta R.T. -0.017 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion:278 Resp: 68591
Ion Ratio Lower Upper
278 100
139 14.4 12.6 19.0
279 28.0 18.9 28.3





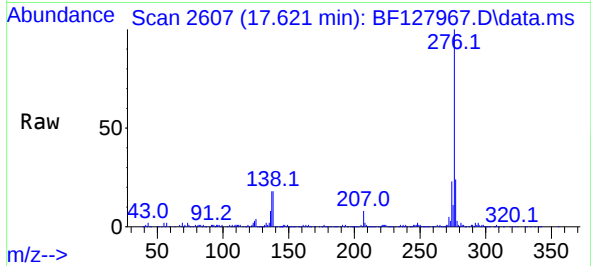
#92
 Benzo(g,h,i)perylene
 Concen: 11.943 ng
 RT: 17.621 min Scan# 207
 Delta R.T. -0.017 min
 Lab File: BF127967.D
 Acq: 28 Apr 2022 01:38

Instrument :

BNA_F

ClientSampleId :

OR-02-042622



Tgt Ion:276 Resp: 17494
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.8 28.2
 138 18.0 16.2 24.2

Manual Integrations

APPROVED

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

