

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022222\
 Data File : BF127030.D
 Acq On : 23 Feb 2022 01:33
 Operator : CG\JU
 Sample : N1628-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/23/2022
 Supervised By : Jagrut Upadhyay 02/23/2022

Quant Time: Feb 23 02:03:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 21 13:16:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	78264	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	282827	20.000	ng	# 0.01
39) Acenaphthene-d10	9.974	164	118218	20.000	ng	0.01
64) Phenanthrene-d10	11.463	188	189182	20.000	ng	# 0.01
76) Chrysene-d12	14.115	240	112181	20.000	ng	# 0.02
86) Perylene-d12	15.633	264	87191	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	54897	10.841	ng	0.01
7) Phenol-d6	6.557	99	401252	58.724	ng	0.01
23) Nitrobenzene-d5	7.492	82	434119	69.283	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	2702	1.985	ng	0.01
45) 2-Fluorobiphenyl	9.286	172	605670	75.423	ng	0.00
79) Terphenyl-d14	13.051	244	528307	69.230	ng	0.01
Target Compounds						Qvalue
10) Phenol	6.569	94	17624	2.553	ng	78
71) Phenanthrene	11.492	178	107464	10.149	ng	99
72) Anthracene	11.539	178	28056m	2.662	ng	
74) Di-n-butylphthalate	12.021	149	867830	69.831	ng	99
75) Fluoranthene	12.686	202	184005	18.301	ng	92
78) Pyrene	12.915	202	157101	16.119	ng	98
80) Butylbenzylphthalate	13.527	149	444484	96.335	ng	90
81) Benzo(a)anthracene	14.104	228	77958	10.308	ng	95
83) Chrysene	14.139	228	65968	9.276	ng	96
84) Bis(2-ethylhexyl)phtha...	14.074	149	93417	15.422	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.174	276	20790	3.636	ng	# 82
88) Benzo(b)fluoranthene	15.180	252	62007m	10.588	ng	
89) Benzo(k)fluoranthene	15.209	252	21873m	3.872	ng	
90) Benzo(a)pyrene	15.562	252	39145	8.558	ng	# 35
92) Benzo(g,h,i)perylene	17.650	276	22206	4.764	ng	# 69

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

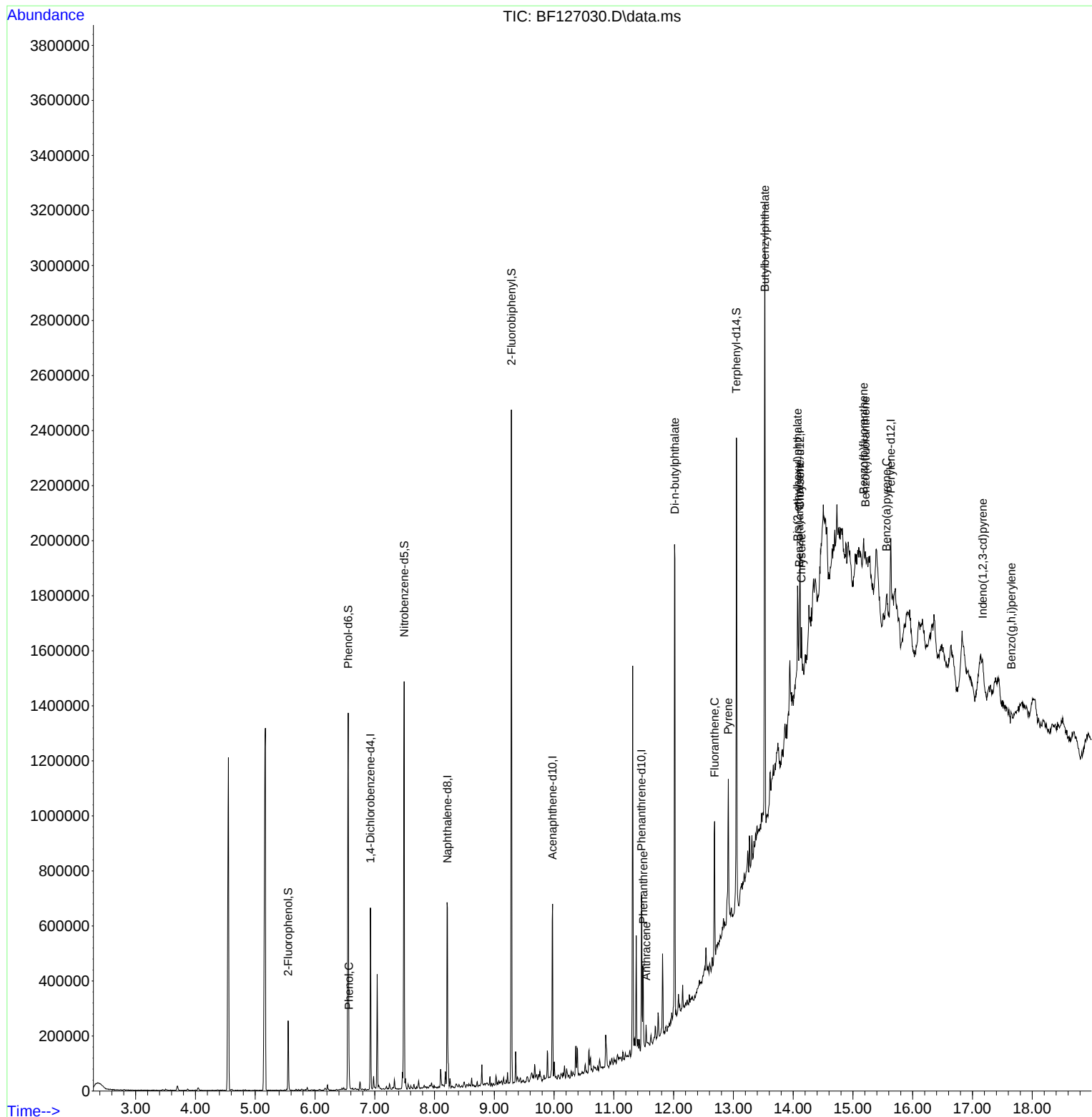
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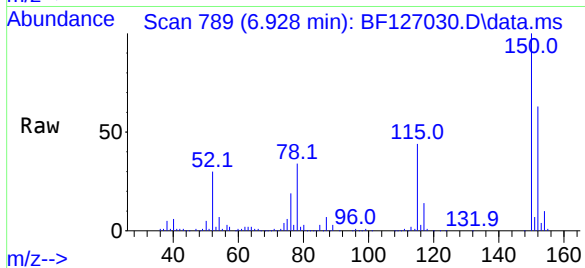
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33

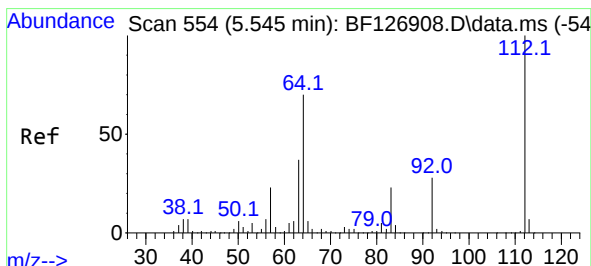
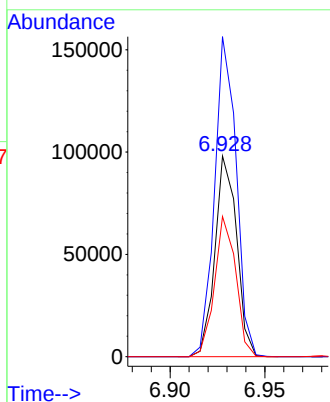
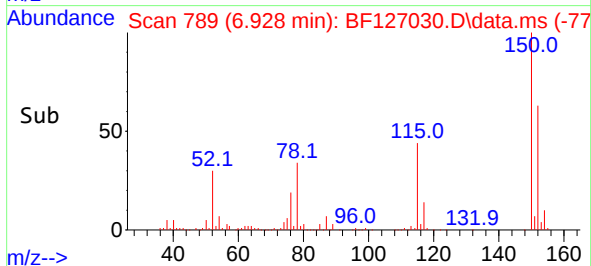
Instrument :
BNA_F
ClientSampleId :
BP-3



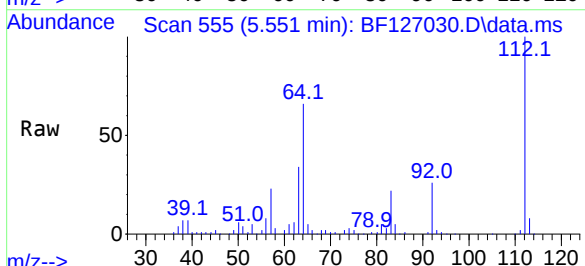
Tgt Ion:152 Resp: 78264
Ion Ratio Lower Upper
152 100
150 159.5 128.1 192.1
115 69.9 56.7 85.1

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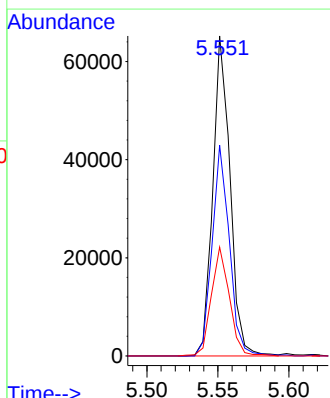
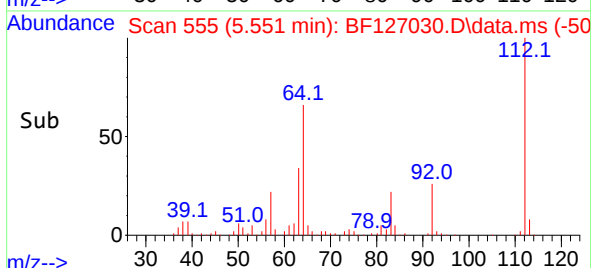
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022

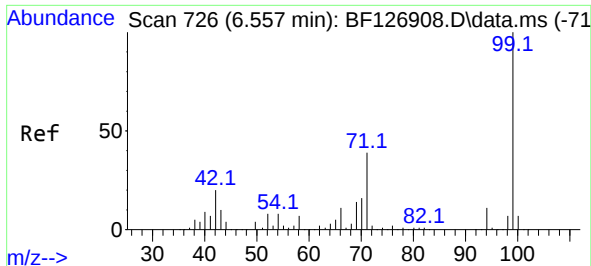


#5
2-Fluorophenol
Concen: 10.841 ng
RT: 5.551 min Scan# 555
Delta R.T. 0.012 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33



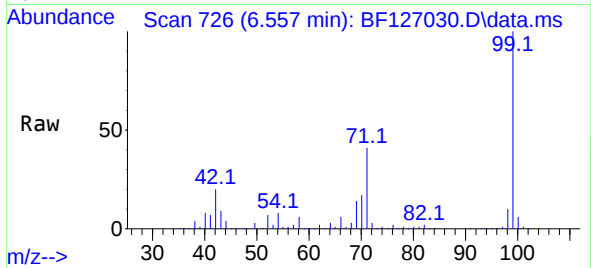
Tgt Ion:112 Resp: 54897
Ion Ratio Lower Upper
112 100
64 65.9 49.5 74.3
63 34.0 23.9 35.9





#7
Phenol-d6
Concen: 58.724 ng
RT: 6.557 min Scan# 726
Delta R.T. 0.012 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33

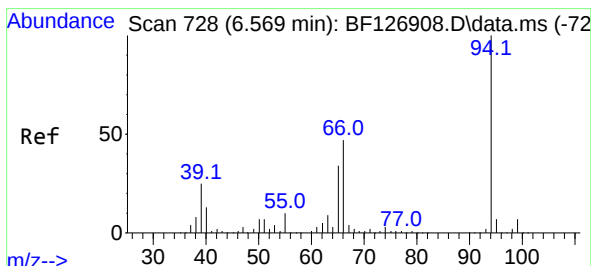
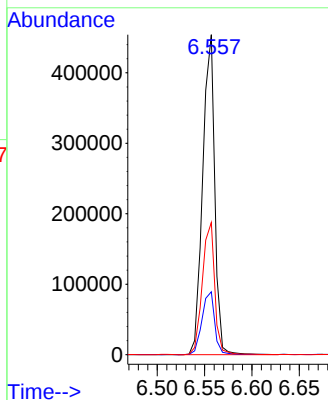
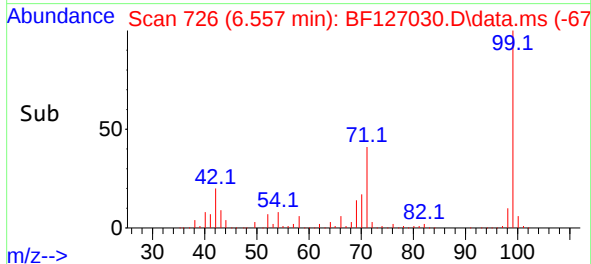
Instrument :
BNA_F
ClientSampleId :
BP-3



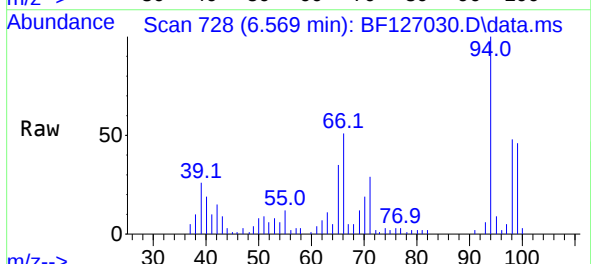
Tgt Ion: 99 Resp: 40125
Ion Ratio Lower Upper
99 100
42 19.7 14.2 21.4
71 41.3 24.3 36.5

Manual Integrations
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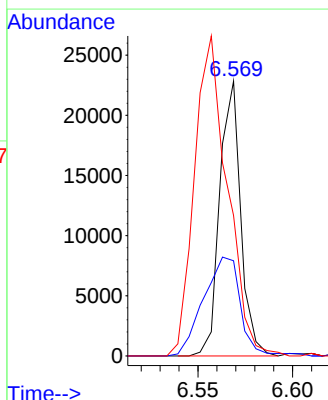
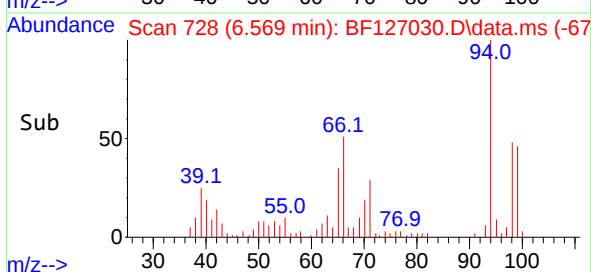
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022

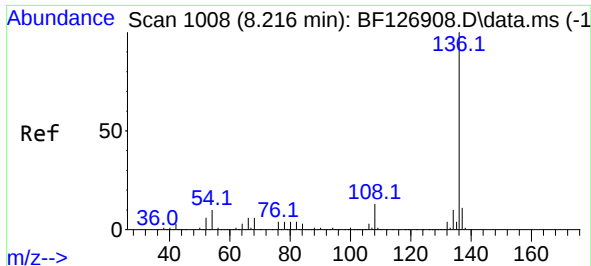


#10
Phenol
Concen: 2.553 ng
RT: 6.569 min Scan# 728
Delta R.T. 0.006 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33



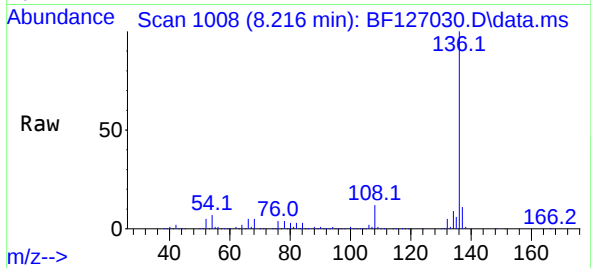
Tgt Ion: 94 Resp: 17624
Ion Ratio Lower Upper
94 100
65 34.6 7.2 47.2
66 51.1 14.5 54.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1008
Delta R.T. 0.012 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33

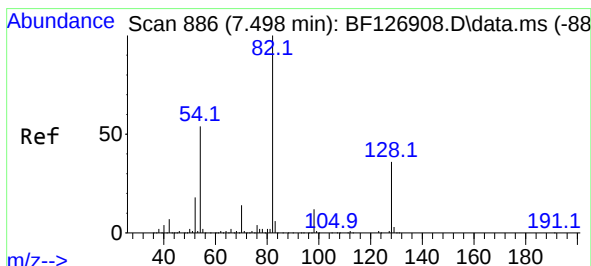
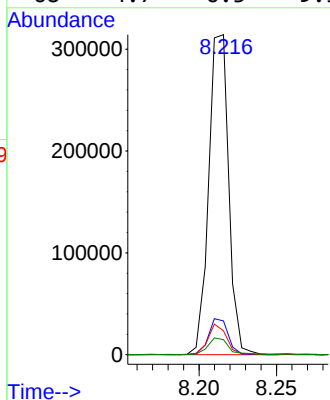
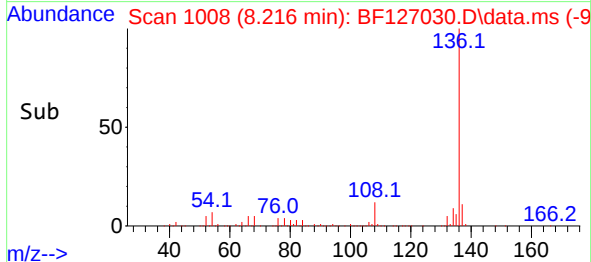
Instrument :
BNA_F
ClientSampleId :
BP-3



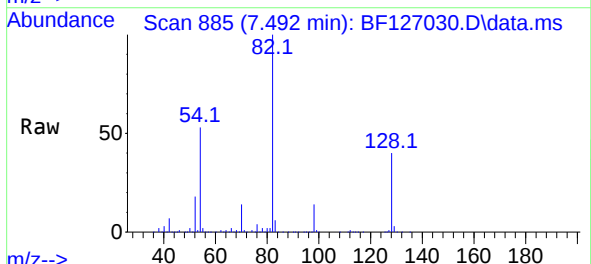
Tgt Ion: 136 Resp: 282827
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.4 7.8 11.6
68 4.7 6.3 9.5

Manual Integrations
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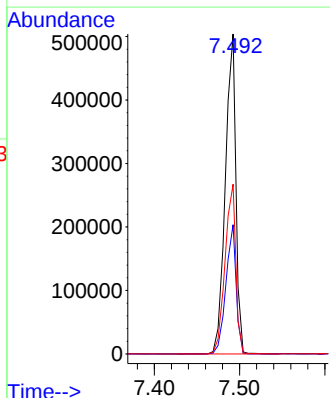
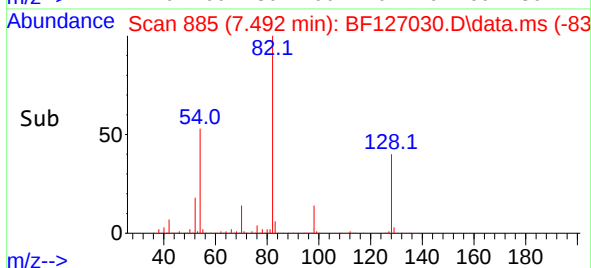
Reviewed By :Christian Giraldo 02/23/2022
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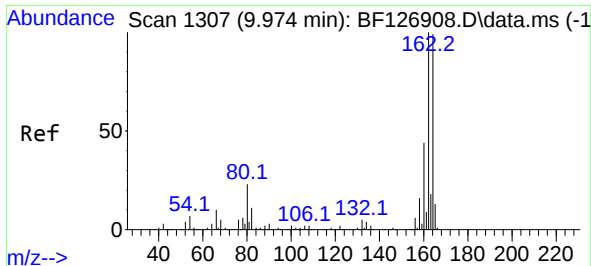


#23
Nitrobenzene-d5
Concen: 69.283 ng
RT: 7.492 min Scan# 885
Delta R.T. -0.000 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33



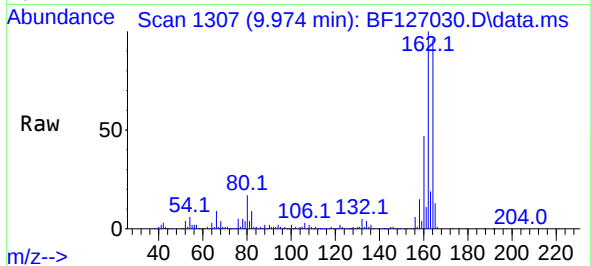
Tgt Ion: 82 Resp: 434119
Ion Ratio Lower Upper
82 100
128 40.4 32.7 49.1
54 53.0 41.7 62.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.974 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33

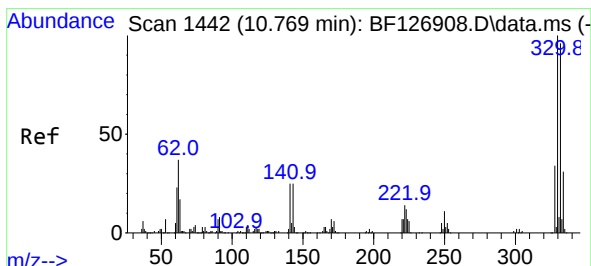
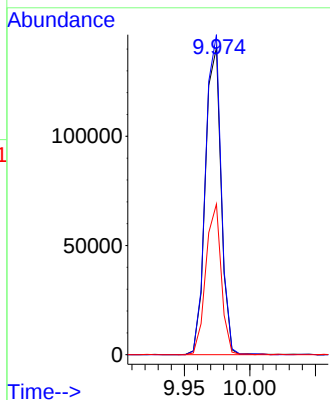
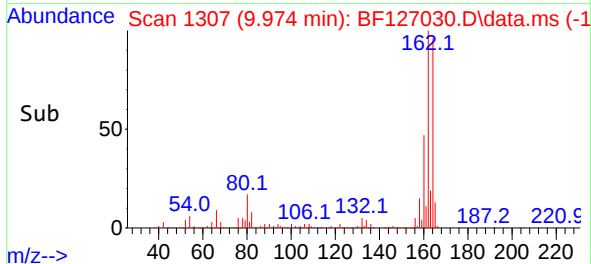
Instrument :
BNA_F
ClientSampleId :
BP-3



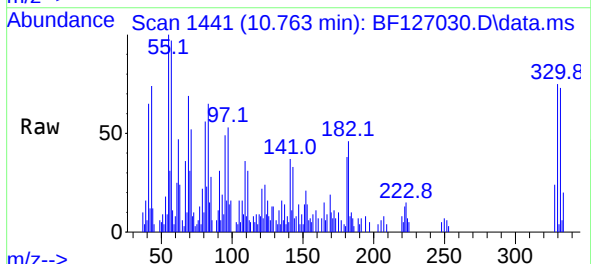
Tgt Ion:164 Resp: 118218
Ion Ratio Lower Upper
164 100
162 104.1 81.4 122.0
160 49.0 36.6 54.8

Manual Integrations
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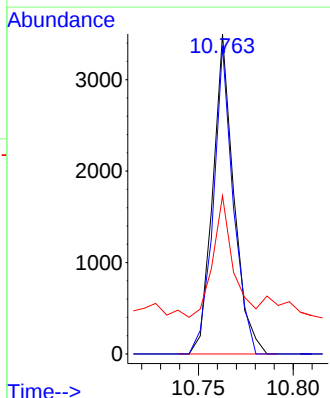
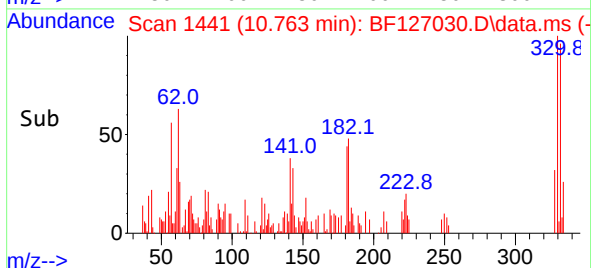
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022

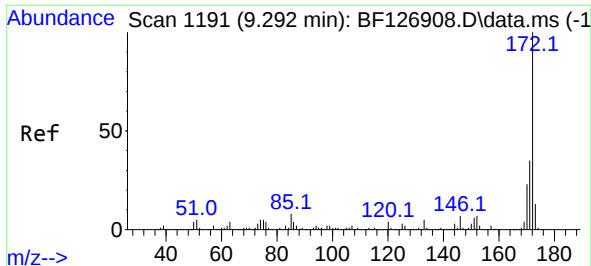


#42
2,4,6-Tribromophenol
Concen: 1.985 ng
RT: 10.763 min Scan# 1441
Delta R.T. 0.012 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33



Tgt Ion:330 Resp: 2702
Ion Ratio Lower Upper
330 100
332 91.3 76.0 114.0
141 35.9 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 75.423 ng

RT: 9.286 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF127030.D

Acq: 23 Feb 2022 01:33

Instrument :

BNA_F

ClientSampleId :

BP-3

Tgt Ion:172 Resp: 605670

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

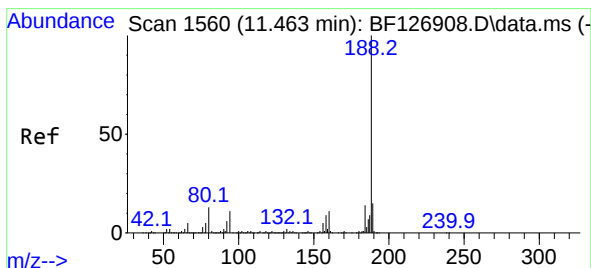
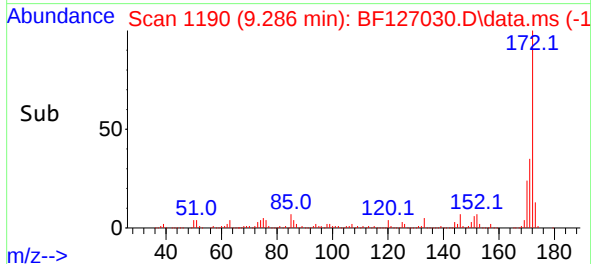
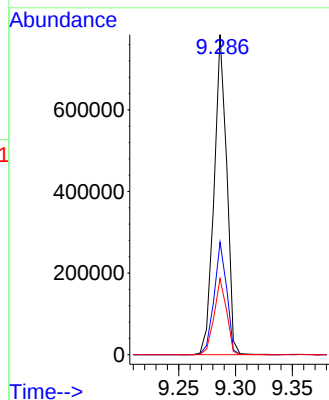
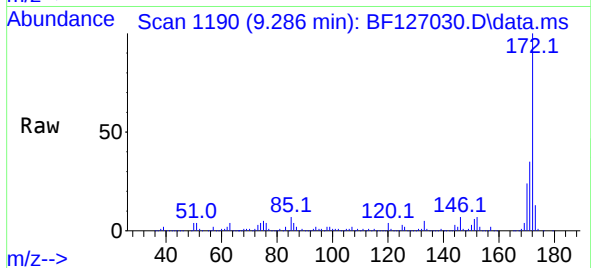
170 23.8 19.0 28.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/23/2022

Supervised By :Jagrut Upadhyay 02/23/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.463 min Scan# 1560

Delta R.T. 0.012 min

Lab File: BF127030.D

Acq: 23 Feb 2022 01:33

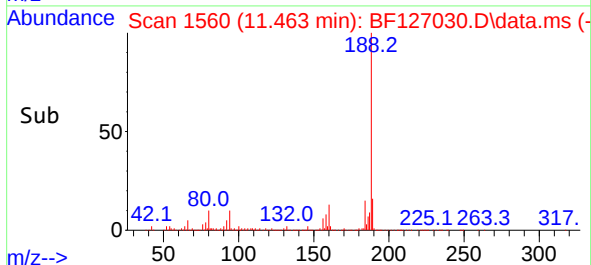
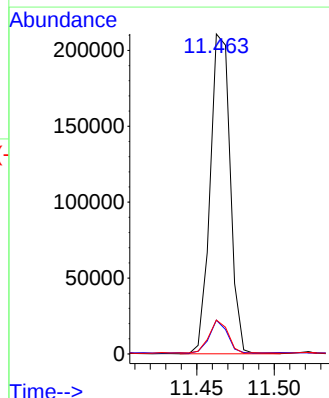
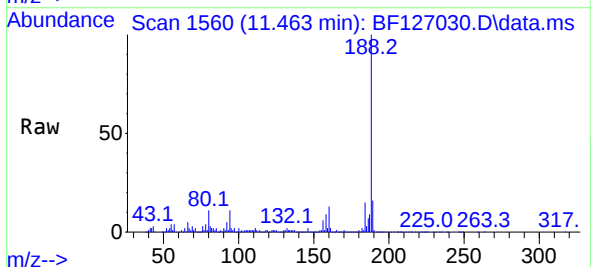
Tgt Ion:188 Resp: 189182

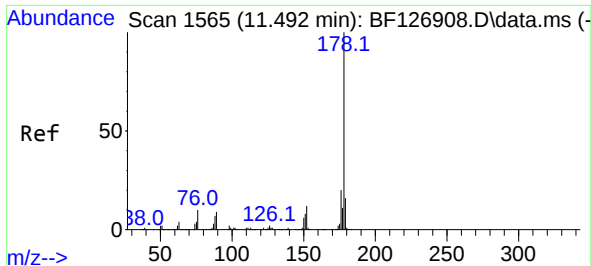
Ion Ratio Lower Upper

188 100

94 10.5 10.1 15.1

80 10.6 11.8 17.6#





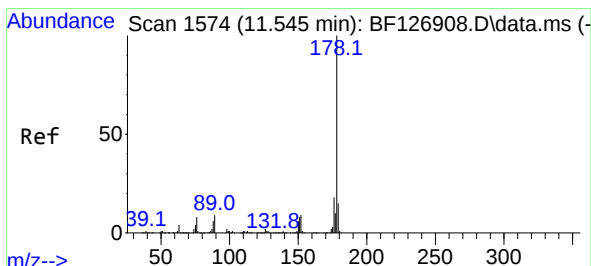
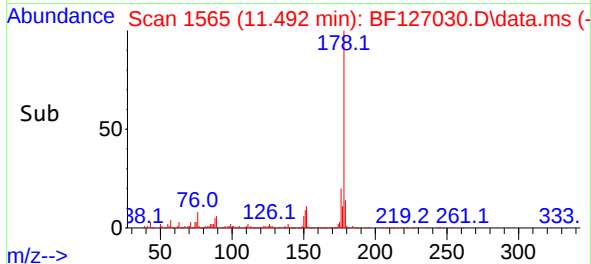
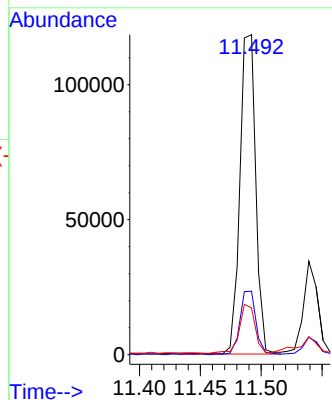
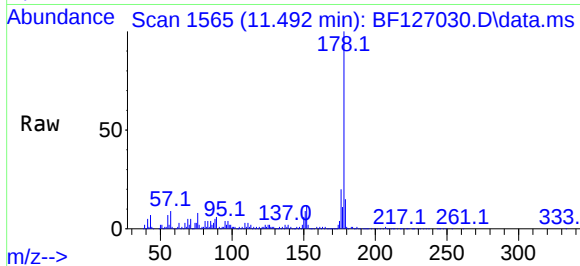
#71
Phenanthrene
Concen: 10.149 ng
RT: 11.492 min Scan# 1565
Delta R.T. 0.012 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33

Instrument :
BNA_F
ClientSampleId :
BP-3

Tgt Ion:178 Resp: 107464
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 14.6 12.3 18.5

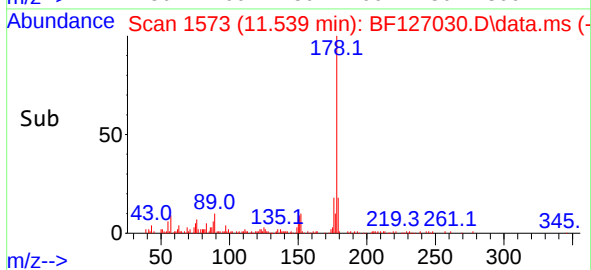
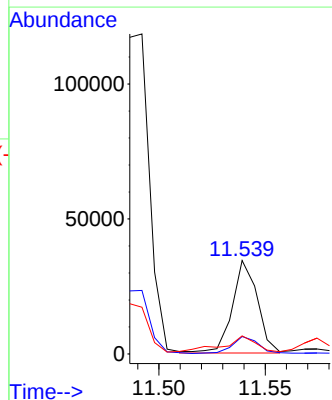
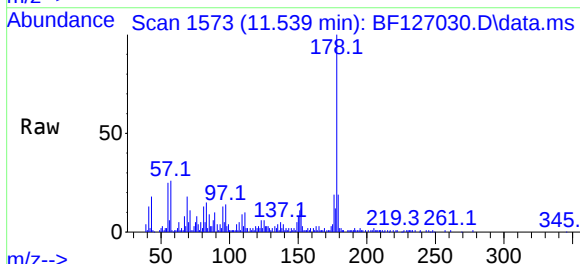
Manual Integrations
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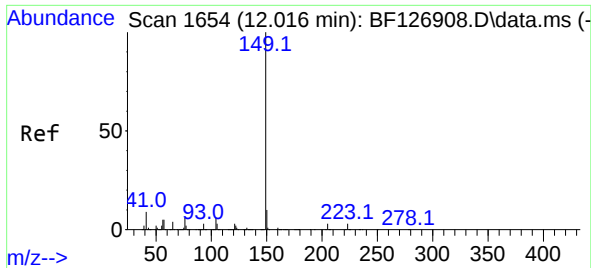
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022



#72
Anthracene
Concen: 2.662 ng m
RT: 11.539 min Scan# 1573
Delta R.T. 0.012 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33

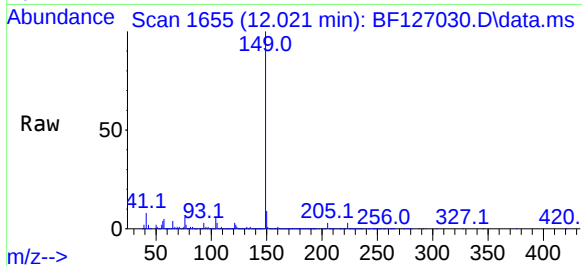
Tgt Ion:178 Resp: 28056
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 19.4 12.5 18.7#





#74
Di-n-butylphthalate
Concen: 69.831 ng
RT: 12.021 min Scan# 1655
Delta R.T. 0.018 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33

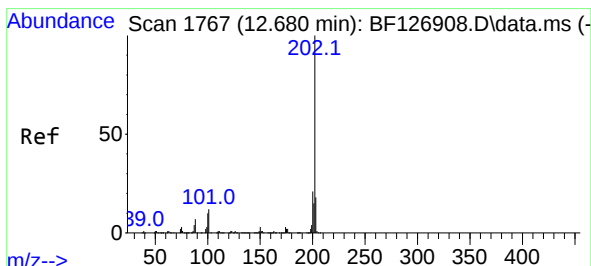
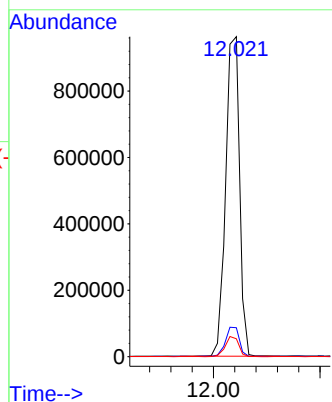
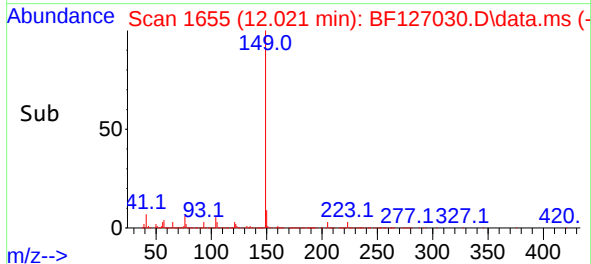
Instrument :
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ClientSampleId :
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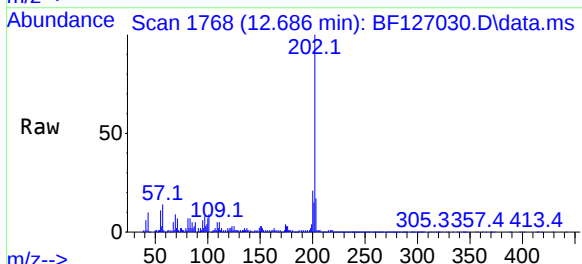
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Ion Ratio Lower Upper
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150 9.1 7.2 10.8
104 5.6 4.2 6.2

Manual Integrations
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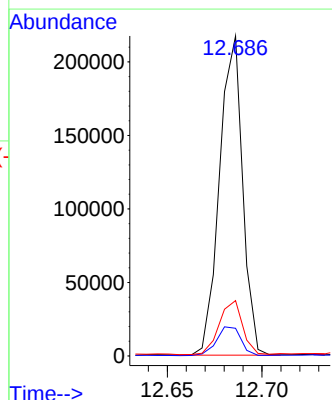
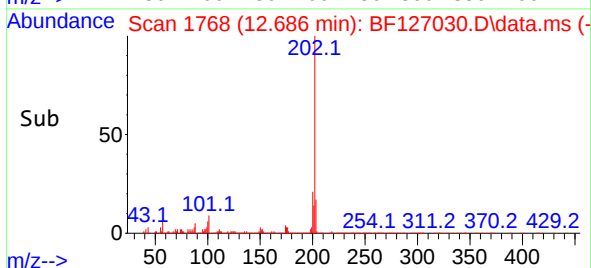
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022

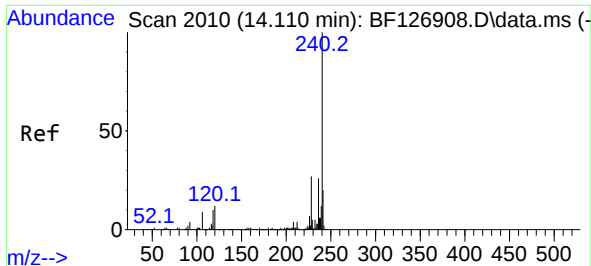


#75
Fluoranthene
Concen: 18.301 ng
RT: 12.686 min Scan# 1768
Delta R.T. 0.018 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33



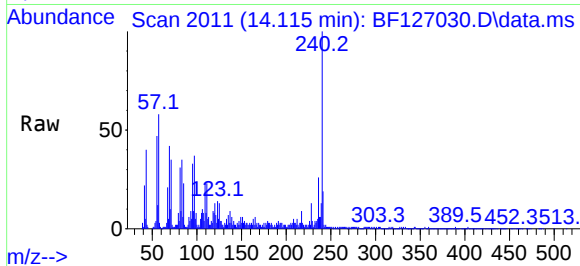
Tgt Ion:202 Resp: 184005
Ion Ratio Lower Upper
202 100
101 8.7 0.0 35.7
203 17.3 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33

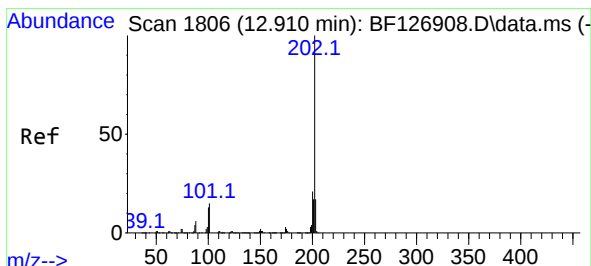
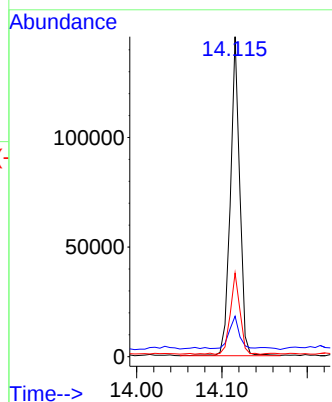
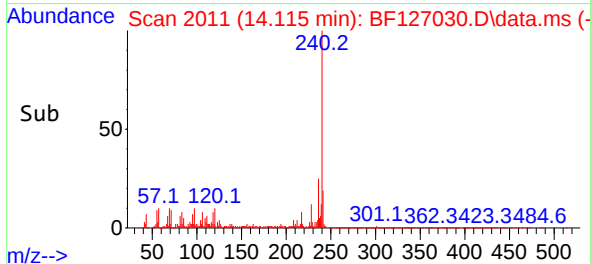
Instrument :
BNA_F
ClientSampleId :
BP-3



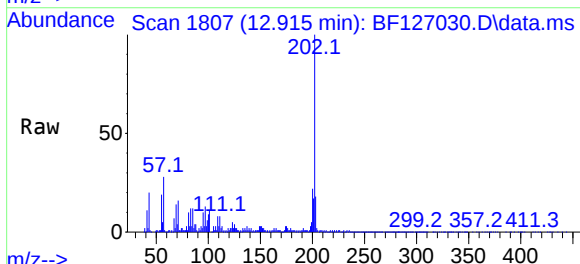
Tgt Ion:240 Resp: 11218
Ion Ratio Lower Upper
240 100
120 12.7 14.4 21.6
236 26.2 20.5 30.7

Manual Integrations
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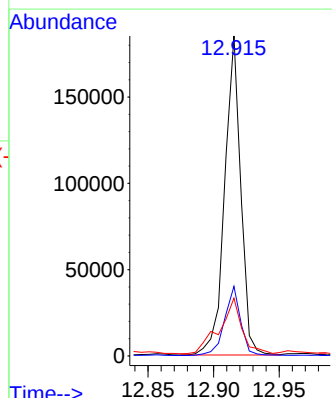
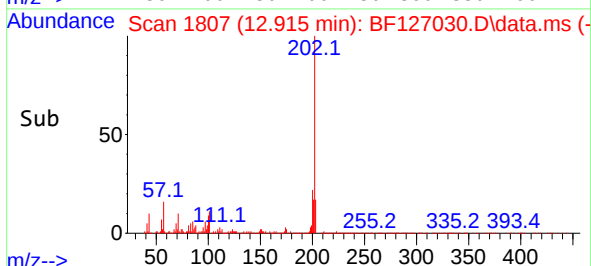
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022

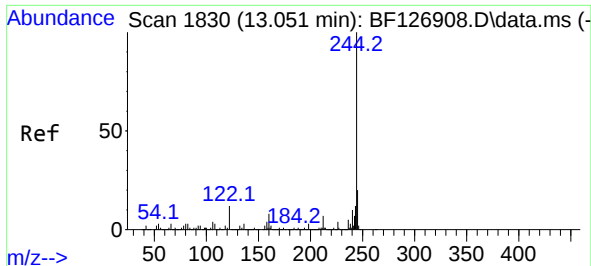


#78
Pyrene
Concen: 16.119 ng
RT: 12.915 min Scan# 1807
Delta R.T. 0.018 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33



Tgt Ion:202 Resp: 157101
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 18.0 13.8 20.8





#79
 Terphenyl-d14
 Concen: 69.230 ng
 RT: 13.051 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF127030.D
 Acq: 23 Feb 2022 01:33

Instrument :

BNA_F

ClientSampleId :

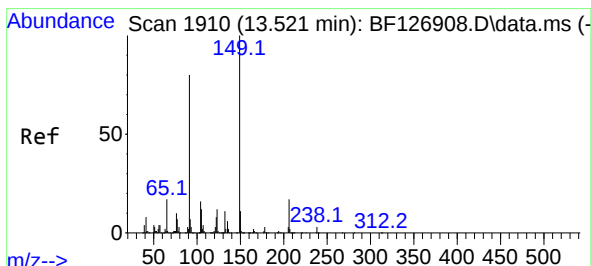
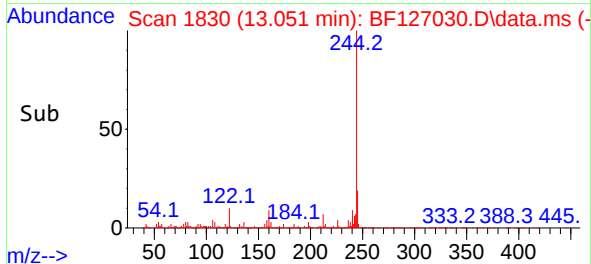
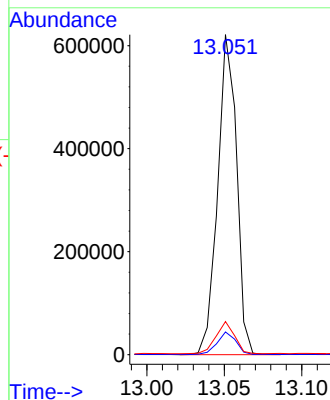
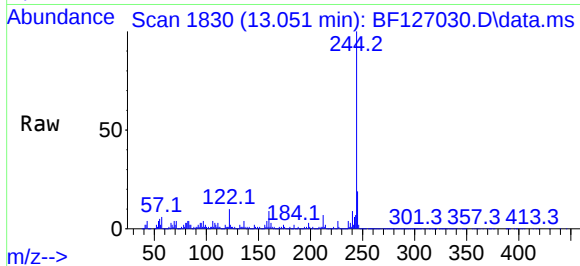
BP-3

Tgt Ion:244 Resp: 52830
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.0 7.4
 122 10.4 13.3 19.9

Manual Integrations

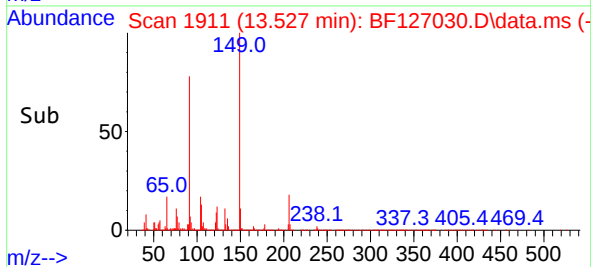
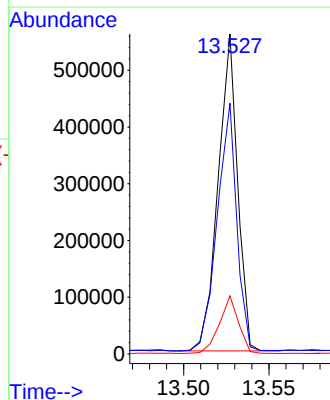
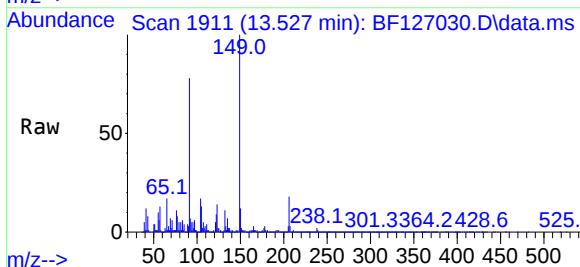
APPROVED

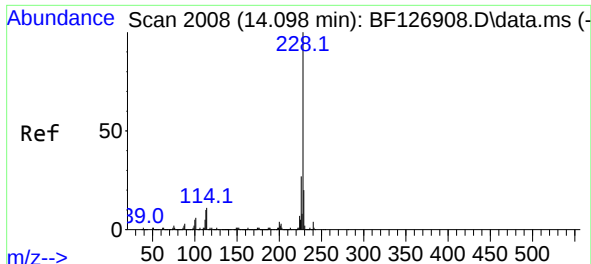
Reviewed By :Christian Giraldo 02/23/2022
 Supervised By :Jagrut Upadhyay 02/23/2022



#80
 Butylbenzylphthalate
 Concen: 96.335 ng
 RT: 13.527 min Scan# 1911
 Delta R.T. 0.018 min
 Lab File: BF127030.D
 Acq: 23 Feb 2022 01:33

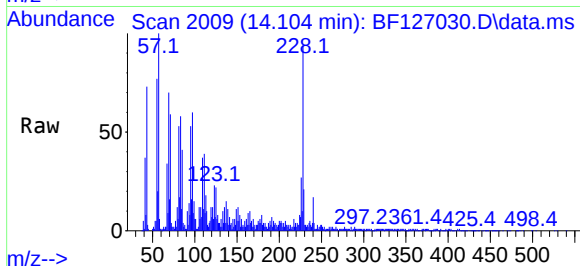
Tgt Ion:149 Resp: 444484
 Ion Ratio Lower Upper
 149 100
 91 78.4 70.5 105.7
 206 18.1 12.6 19.0





#81
Benzo(a)anthracene
Concen: 10.308 ng
RT: 14.104 min Scan# 2009
Delta R.T. 0.018 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33

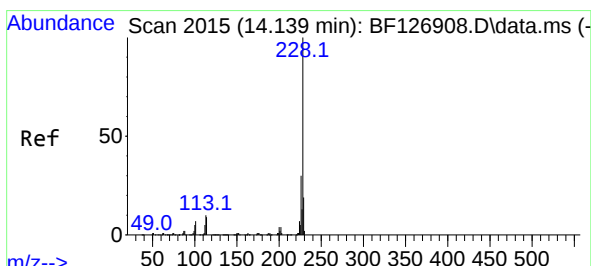
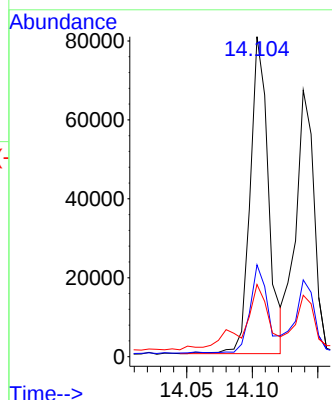
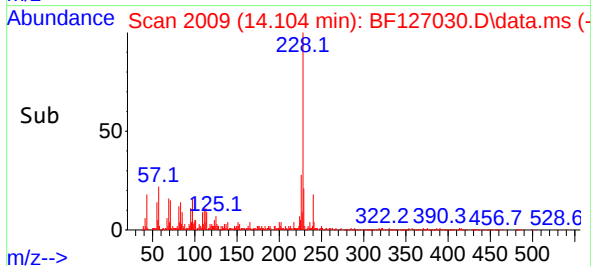
Instrument :
BNA_F
ClientSampleId :
BP-3



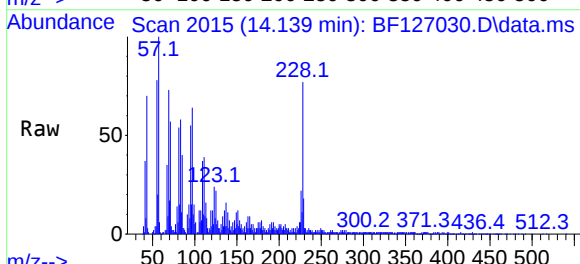
Tgt Ion:228 Resp: 77958
Ion Ratio Lower Upper
228 100
226 28.7 21.4 32.0
229 22.6 15.4 23.2

Manual Integrations
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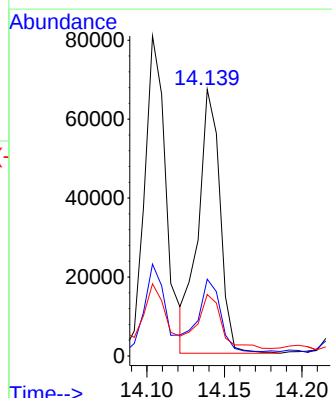
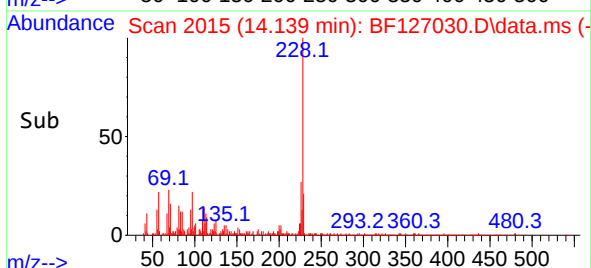
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022

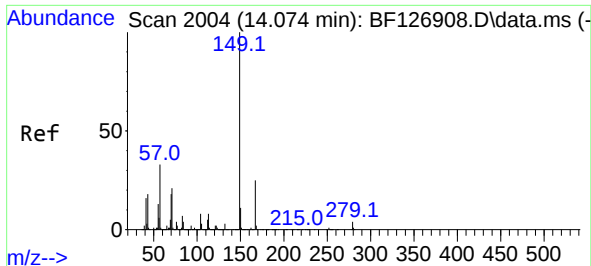


#83
Chrysene
Concen: 9.276 ng
RT: 14.139 min Scan# 2015
Delta R.T. 0.018 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33



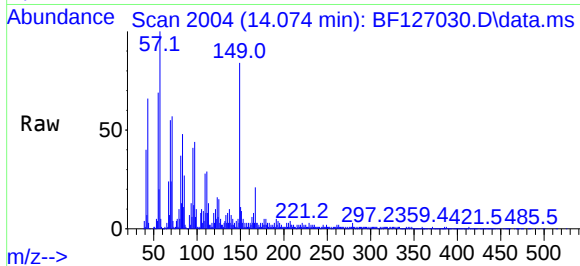
Tgt Ion:228 Resp: 65968
Ion Ratio Lower Upper
228 100
226 28.8 23.7 35.5
229 23.0 15.5 23.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 15.422 ng
RT: 14.074 min Scan# 2004
Delta R.T. 0.012 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33

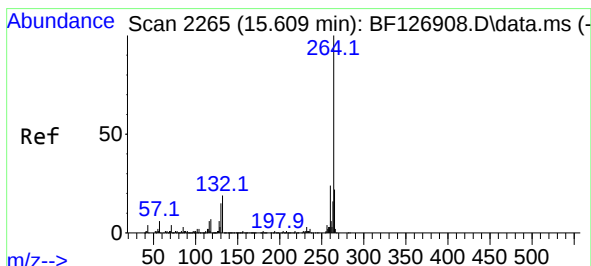
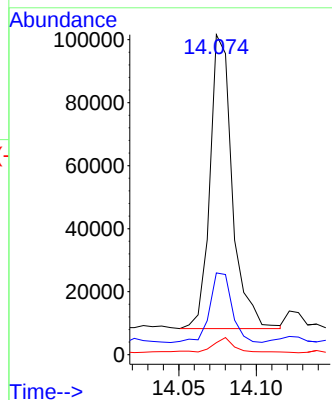
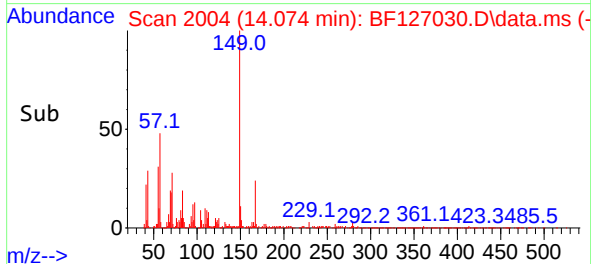
Instrument :
BNA_F
ClientSampleId :
BP-3



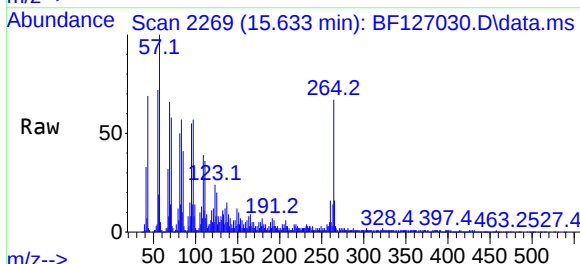
Tgt Ion:149 Resp: 93417
Ion Ratio Lower Upper
149 100
167 25.5 21.4 32.2
279 3.7 2.4 3.6

Manual Integrations
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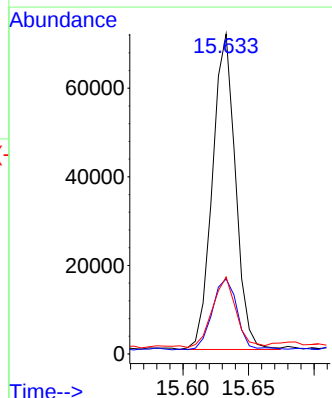
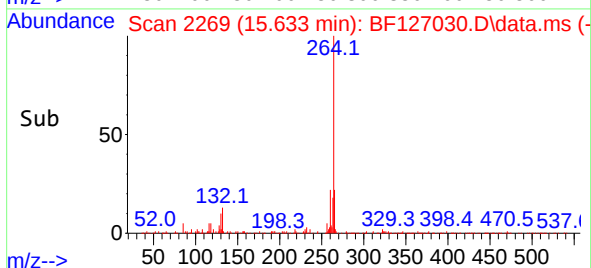
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022

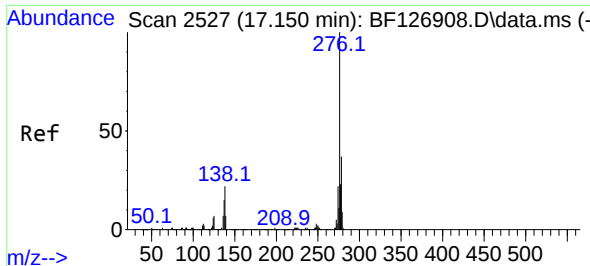


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2269
Delta R.T. 0.041 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33



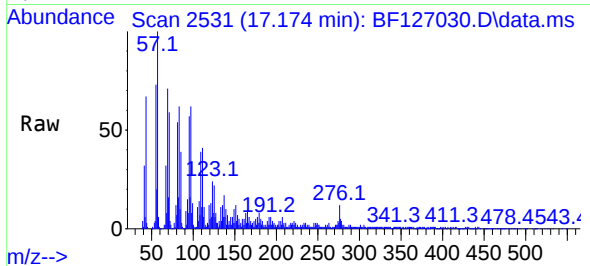
Tgt Ion:264 Resp: 87191
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 24.1 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.636 ng
RT: 17.174 min Scan# 2174
Delta R.T. 0.059 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33

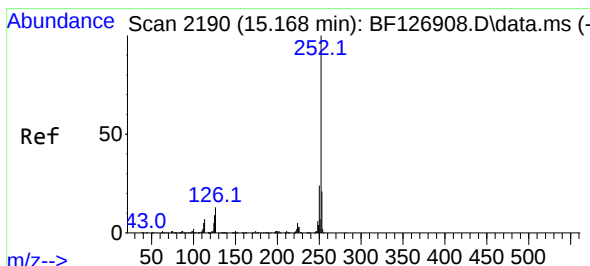
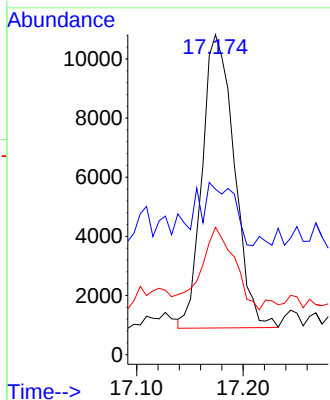
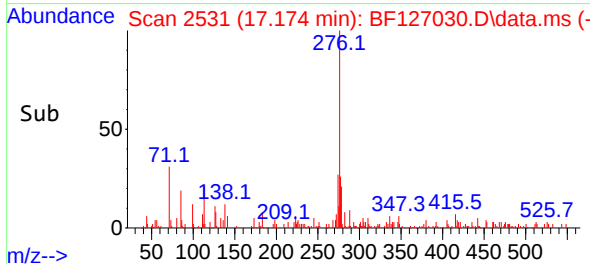
Instrument :
BNA_F
ClientSampleId :
BP-3



Tgt Ion:276 Resp: 20790
Ion Ratio Lower Upper
276 100
138 22.0 29.2 43.8
277 28.9 19.8 29.8

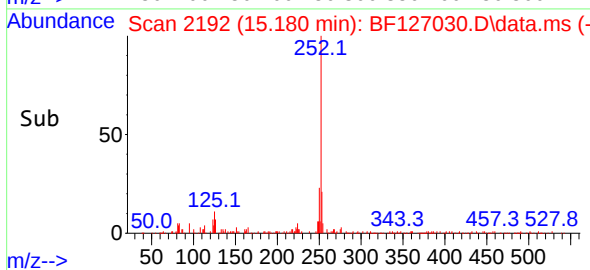
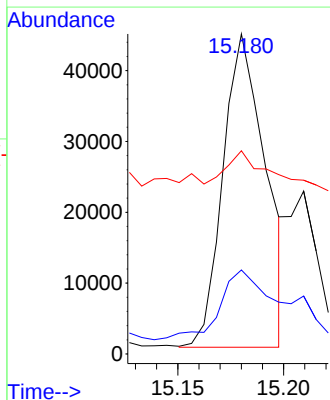
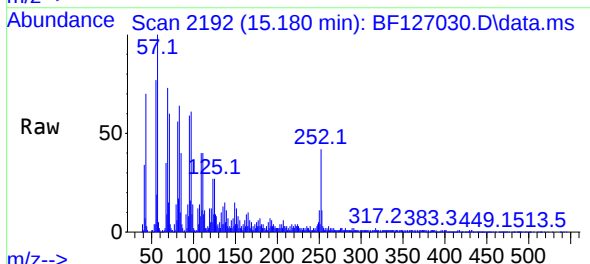
Manual Integrations
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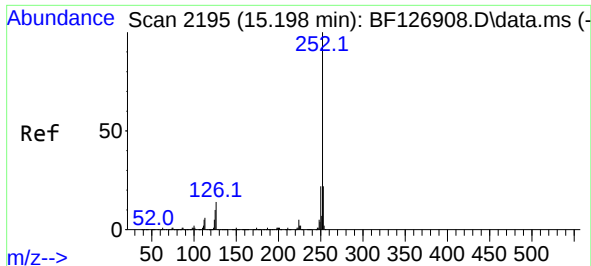
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022



#88
Benzo(b)fluoranthene
Concen: 10.588 ng m
RT: 15.180 min Scan# 2192
Delta R.T. 0.029 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33

Tgt Ion:252 Resp: 62007
Ion Ratio Lower Upper
252 100
253 26.3 17.8 26.8
125 63.5 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 3.872 ng m

RT: 15.209 min Scan# 2195

Delta R.T. 0.029 min

Lab File: BF127030.D

Acq: 23 Feb 2022 01:33

Instrument :

BNA_F

ClientSampleId :

BP-3

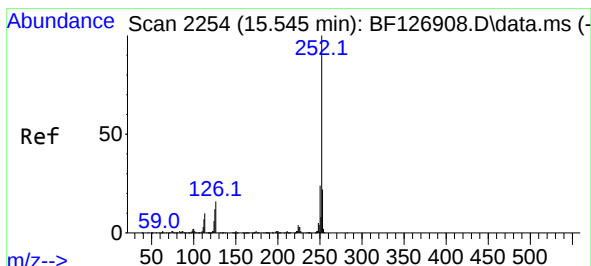
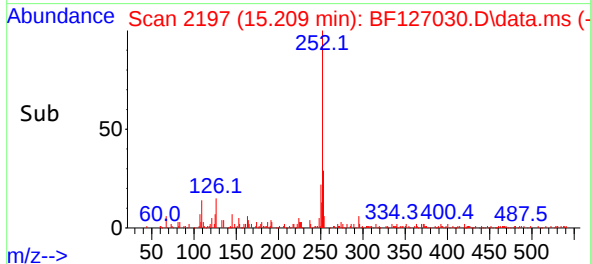
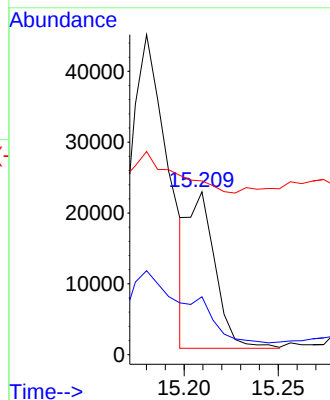
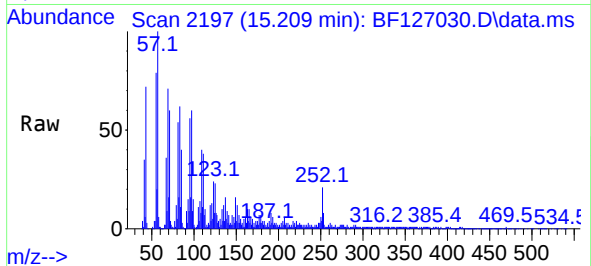
Tgt Ion:	252	Resp:	2187
Ion Ratio	Lower	Upper	
252	100		
253	35.6	17.5	26.3
125	106.7	11.8	17.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/23/2022

Supervised By :Jagrut Upadhyay 02/23/2022



#90

Benzo(a)pyrene

Concen: 8.558 ng

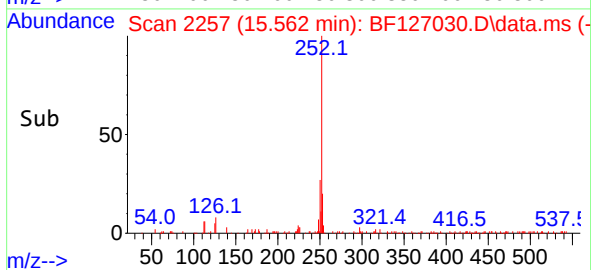
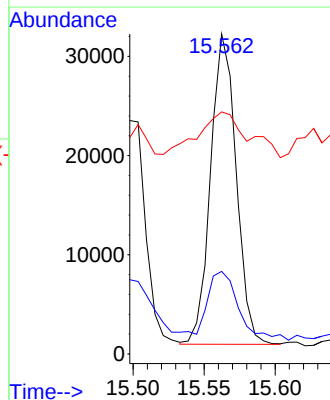
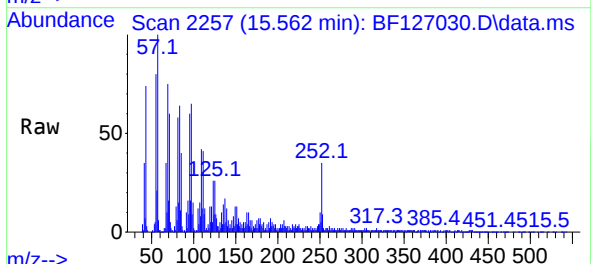
RT: 15.562 min Scan# 2257

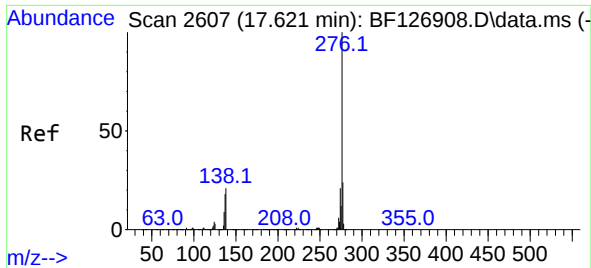
Delta R.T. 0.035 min

Lab File: BF127030.D

Acq: 23 Feb 2022 01:33

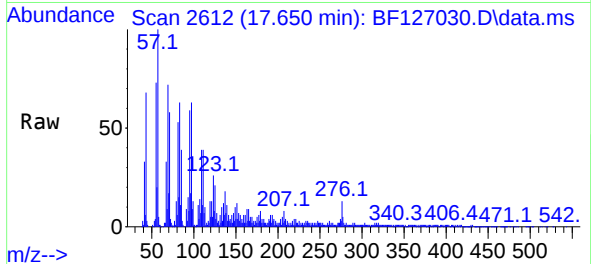
Tgt Ion:	252	Resp:	39145
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.1	25.7
125	75.7	13.0	19.6





#92
Benzo(g,h,i)perylene
Concen: 4.764 ng
RT: 17.650 min Scan# 20
Delta R.T. 0.065 min
Lab File: BF127030.D
Acq: 23 Feb 2022 01:33

Instrument :
BNA_F
ClientSampleId :
BP-3



Tgt Ion: 276 Resp: 22200
Ion Ratio Lower Upper
276 100
277 34.9 18.5 27.7
138 52.8 25.9 38.9

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 02/23/2022
Supervised By : Jagrut Upadhyay 02/23/2022

