

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
 Data File : BF127108.D
 Acq On : 28 Feb 2022 19:10
 Operator : CG\JU
 Sample : N1678-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-022522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/01/2022
 Supervised By : Jagrut Upadhyay 03/01/2022

Quant Time: Mar 01 01:40:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	103098	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	401165	20.000	ng	#-0.01
39) Acenaphthene-d10	9.939	164	184478	20.000	ng	-0.01
64) Phenanthrene-d10	11.433	188	253126	20.000	ng	#-0.01
76) Chrysene-d12	14.080	240	173398	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	129872	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	679660	101.890	ng	0.00
7) Phenol-d6	6.528	99	887524	98.604	ng	-0.01
23) Nitrobenzene-d5	7.463	82	612511	68.917	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	194851	91.737	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	945879	75.482	ng	-0.01
79) Terphenyl-d14	13.022	244	708491	60.065	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.486	166	24633	2.009	ng	98
71) Phenanthrene	11.457	178	203049	14.332	ng	97
72) Anthracene	11.504	178	47626	3.377	ng	99
75) Fluoranthene	12.651	202	204289	15.186	ng	92
78) Pyrene	12.880	202	170787	11.337	ng	100
81) Benzo(a)anthracene	14.069	228	73750	6.309	ng	96
83) Chrysene	14.104	228	64026	5.824	ng	96
87) Indeno(1,2,3-cd)pyrene	17.092	276	18957	2.226	ng	# 83
88) Benzo(b)fluoranthene	15.133	252	56120m	6.434	ng	
89) Benzo(k)fluoranthene	15.163	252	20305m	2.413	ng	
90) Benzo(a)pyrene	15.510	252	37549	5.511	ng	95
92) Benzo(g,h,i)perylene	17.557	276	18326	2.639	ng	# 82

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

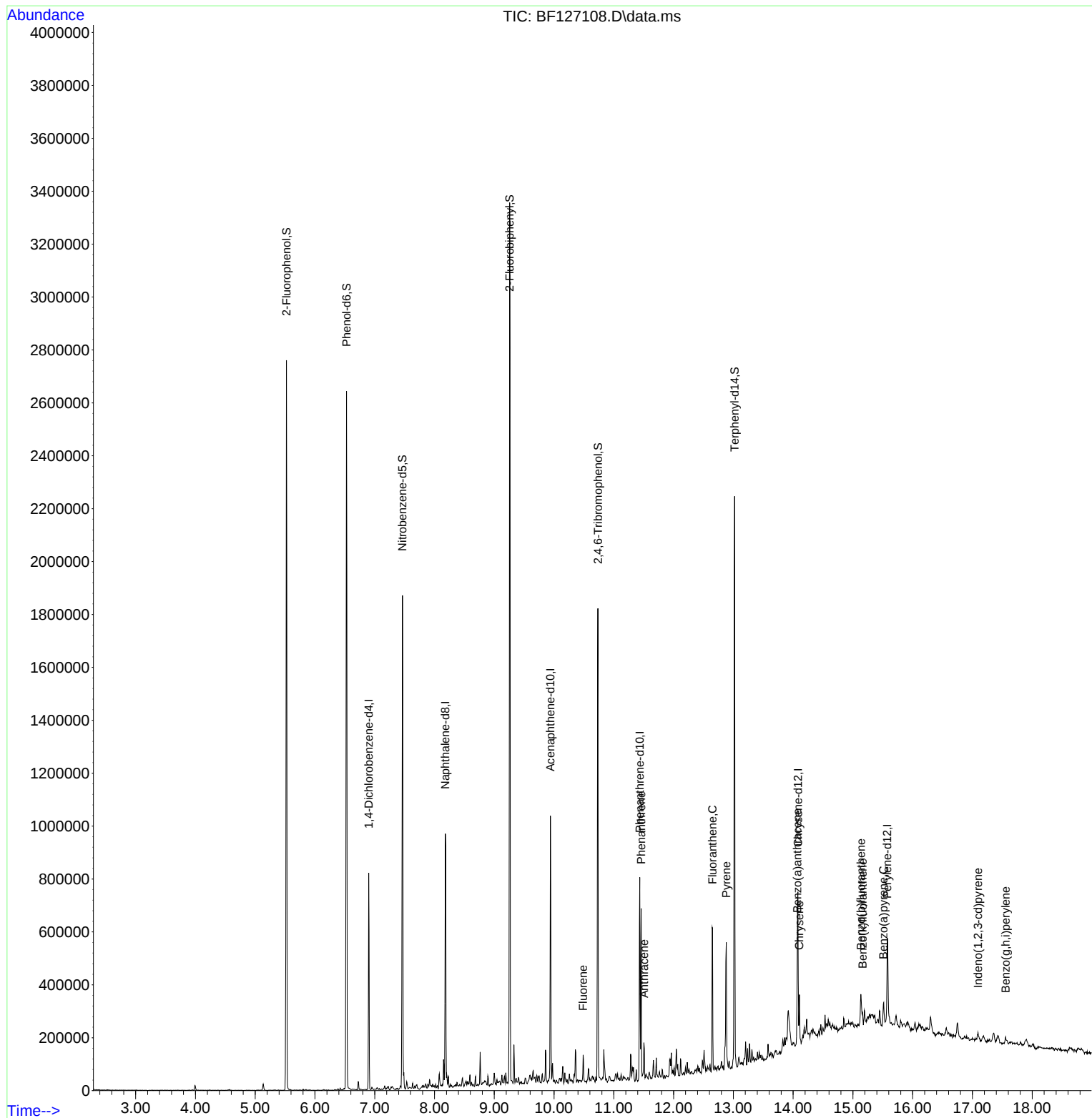
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127108.D
Acq On : 28 Feb 2022 19:10
Operator : CG\JU
Sample : N1678-01
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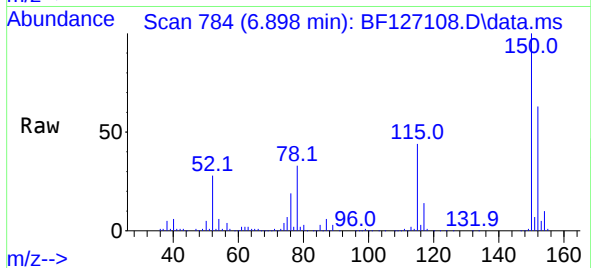
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Instrument :

BNA_F

ClientSampleId :

OK-02-022522

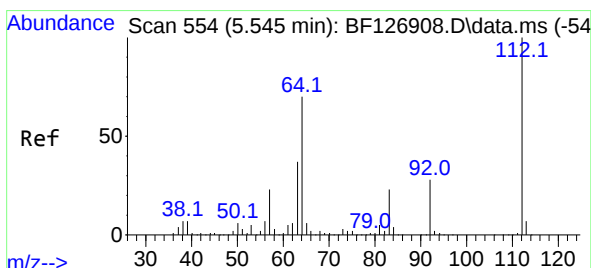
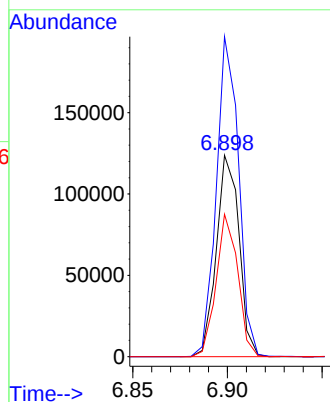
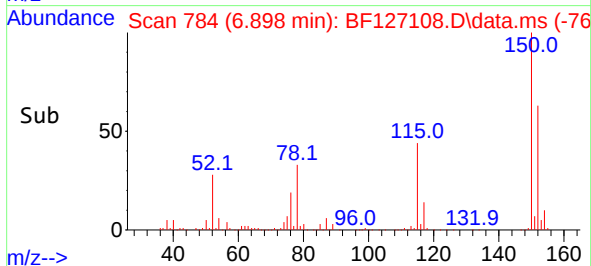


Tgt Ion:152 Resp: 103098
Ion Ratio Lower Upper
152 100
150 158.9 128.1 192.1
115 70.7 56.7 85.1

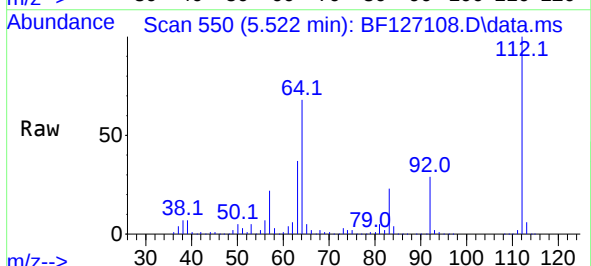
Manual Integrations

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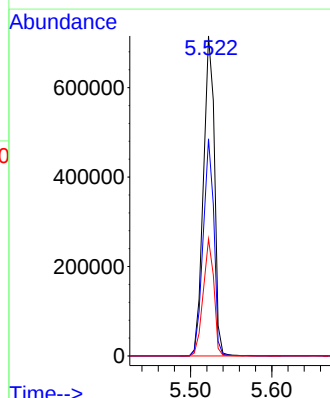
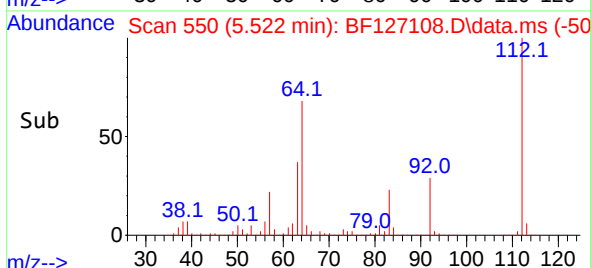
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#5
2-Fluorophenol
Concen: 101.890 ng
RT: 5.522 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10



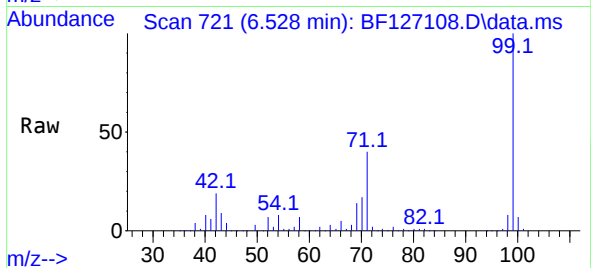
Tgt Ion:112 Resp: 679660
Ion Ratio Lower Upper
112 100
64 67.8 49.5 74.3
63 36.6 23.9 35.9





#7
Phenol-d6
Concen: 98.604 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

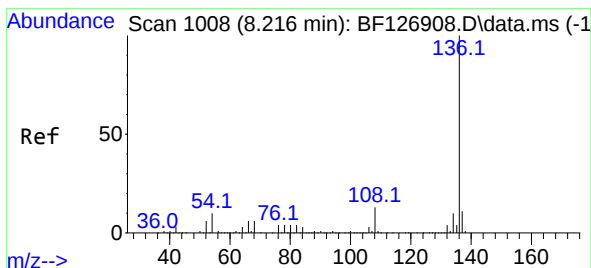
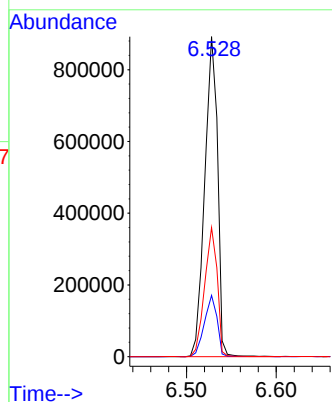
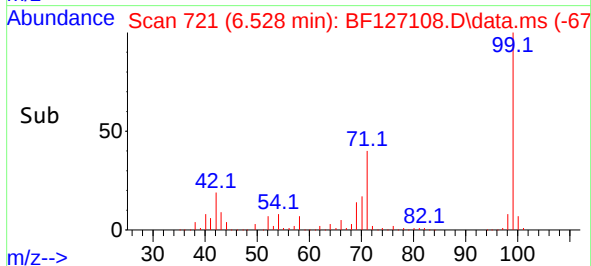
Instrument :
BNA_F
ClientSampleId :
OK-02-022522



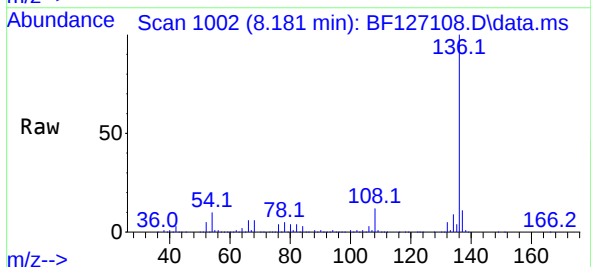
Tgt Ion: 99 Resp: 887524
Ion Ratio Lower Upper
99 100
42 19.2 14.2 21.4
71 40.4 24.3 36.5

Manual Integrations
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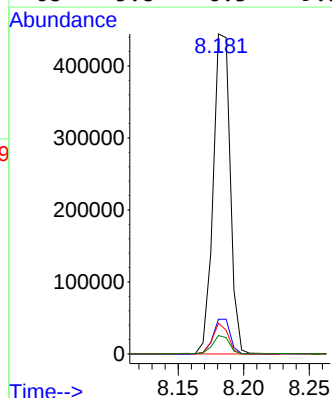
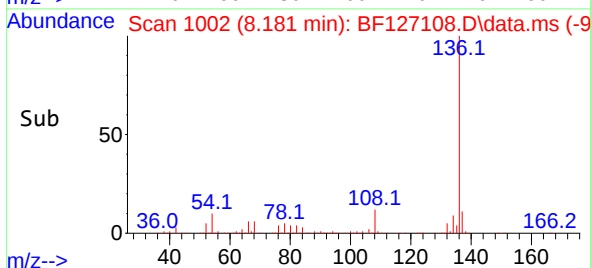
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1002
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10



Tgt Ion:136 Resp: 401165
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.6 7.8 11.6
68 5.8 6.3 9.5





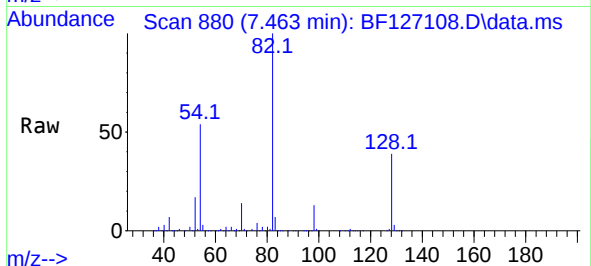
#23
Nitrobenzene-d5
Concen: 68.917 ng
RT: 7.463 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Instrument :

BNA_F

ClientSampleId :

OK-02-022522

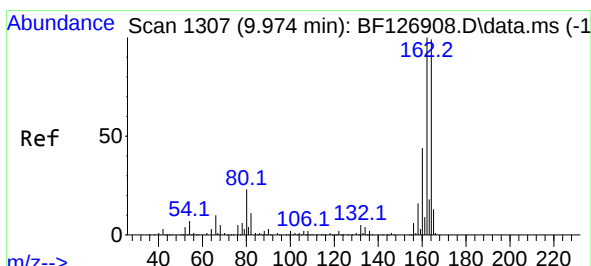
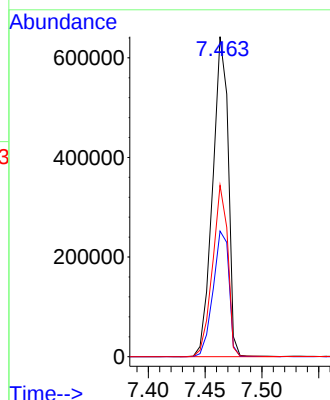
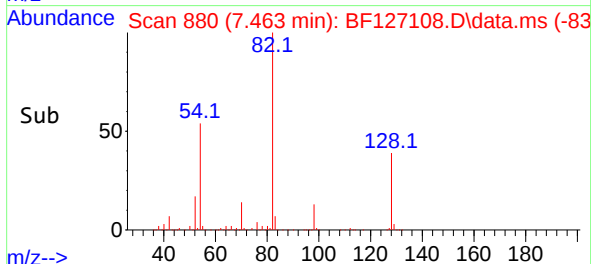


Tgt Ion: 82 Resp: 61251
Ion Ratio Lower Upper
82 100
128 39.2 32.7 49.1
54 53.5 41.7 62.5

Manual Integrations

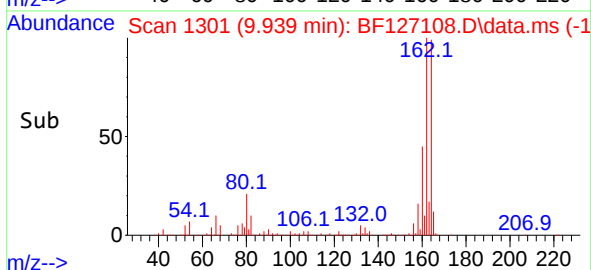
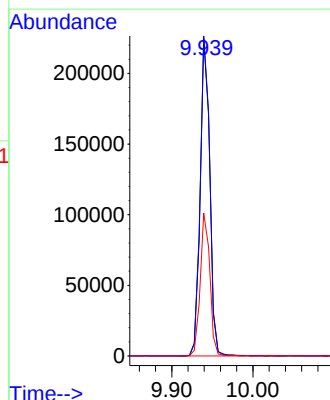
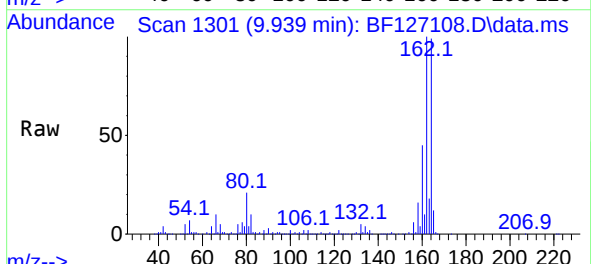
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Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Tgt Ion:164 Resp: 184478
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 45.0 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 91.737 ng
RT: 10.733 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Instrument :

BNA_F

ClientSampleId :

OK-02-022522

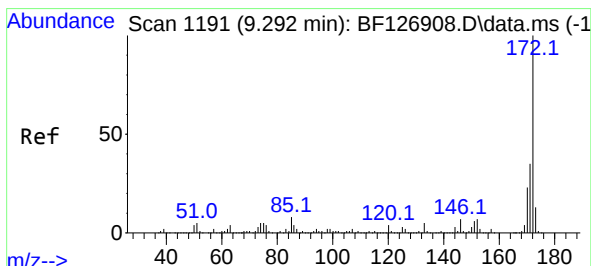
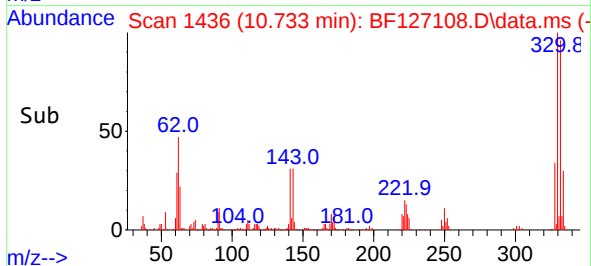
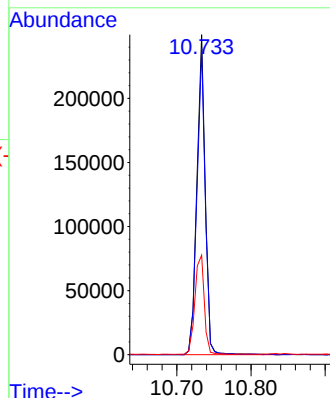
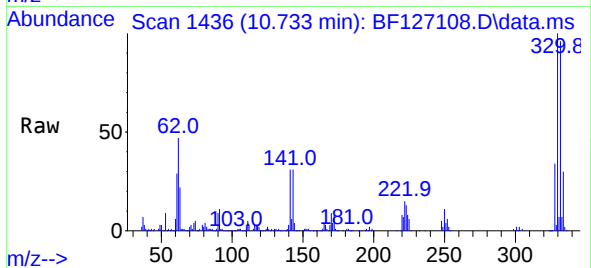
Tgt Ion:330 Resp: 19485
Ion Ratio Lower Upper
330 100
332 94.9 76.0 114.0
141 34.9 30.1 45.1

Manual Integrations

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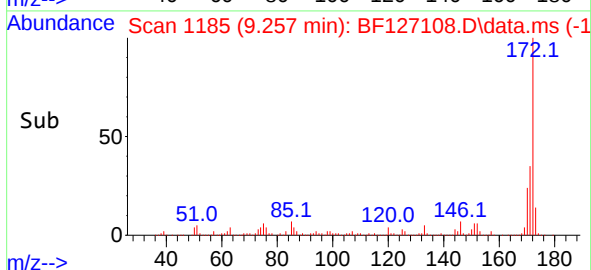
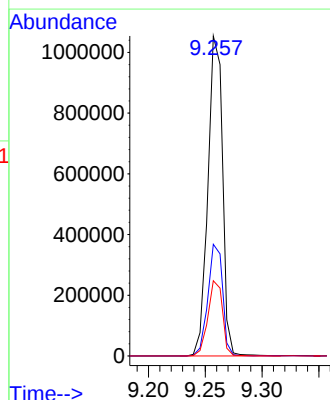
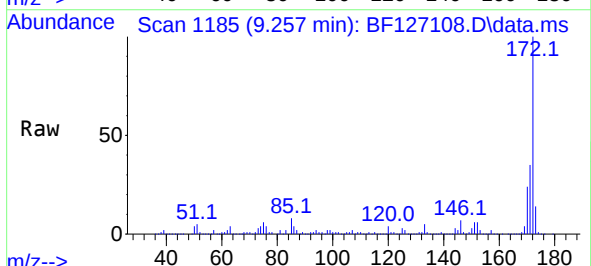
Reviewed By :Christian Giraldo 03/01/2022

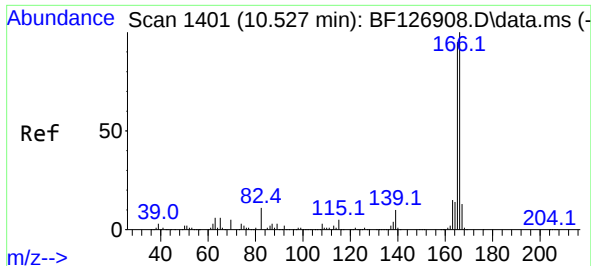
Supervised By :Jagrut Upadhyay 03/01/2022



#45
2-Fluorobiphenyl
Concen: 75.482 ng
RT: 9.257 min Scan# 1185
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

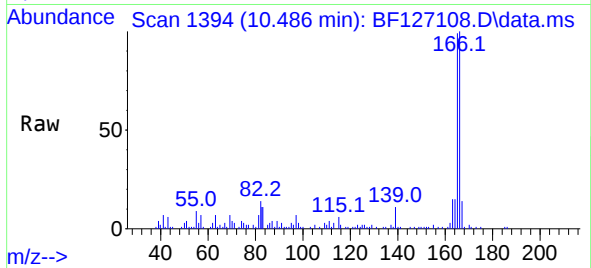
Tgt Ion:172 Resp: 945879
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.5 19.0 28.6





#58
Fluorene
Concen: 2.009 ng
RT: 10.486 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

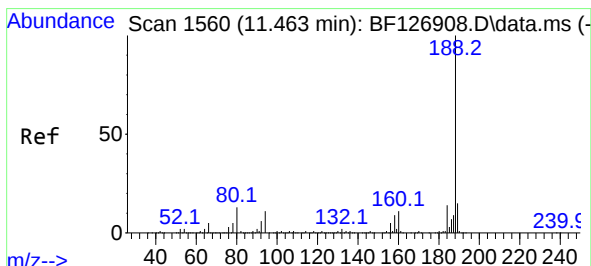
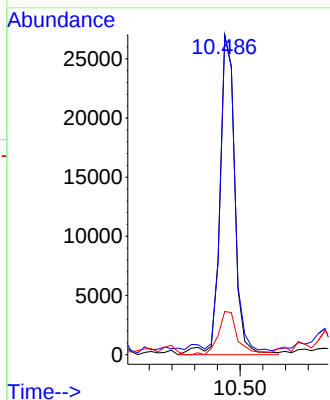
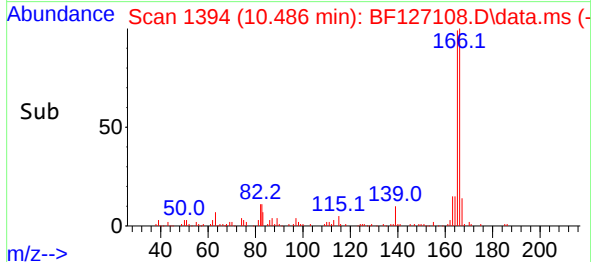
Instrument :
BNA_F
ClientSampleId :
OK-02-022522



Tgt Ion:166 Resp: 2463
Ion Ratio Lower Upper
166 100
165 99.5 77.7 116.5
167 13.5 10.7 16.1

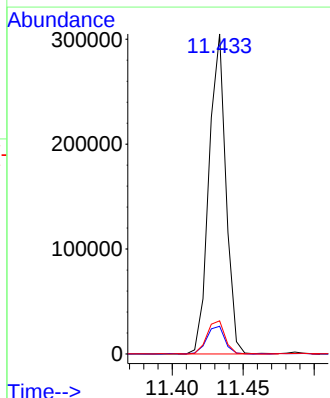
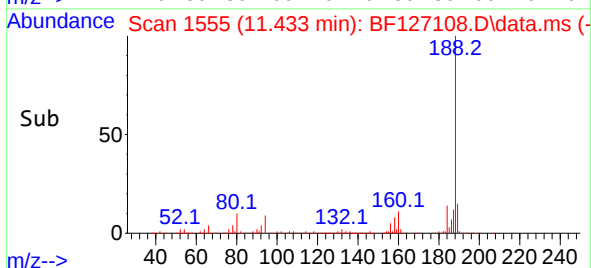
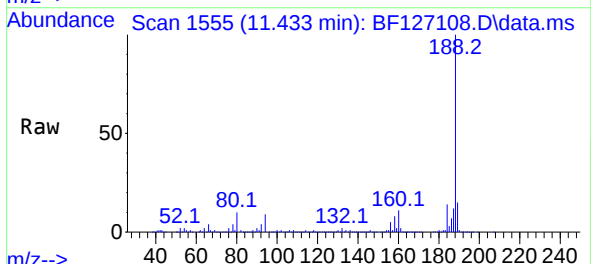
Manual Integrations
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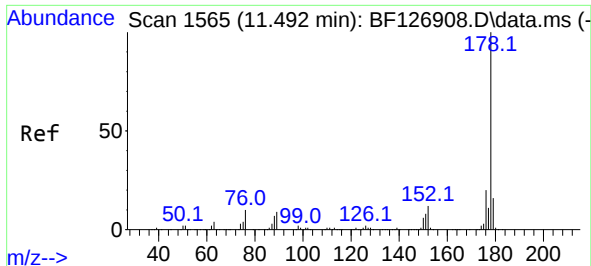
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Tgt Ion:188 Resp: 253126
Ion Ratio Lower Upper
188 100
94 8.6 10.1 15.1#
80 10.4 11.8 17.6#





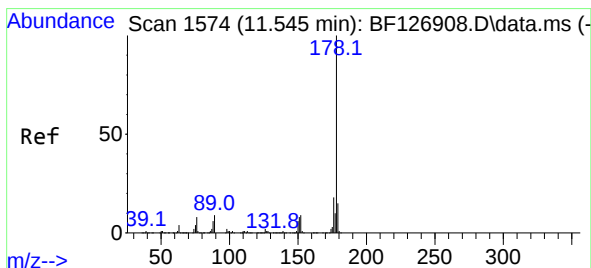
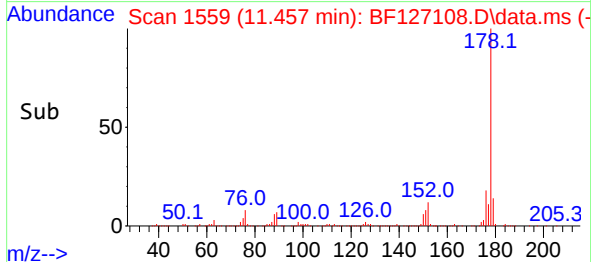
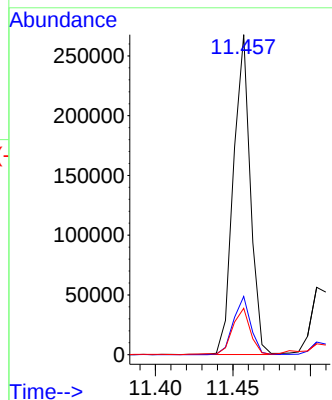
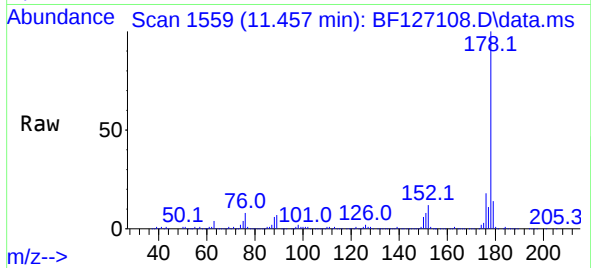
#71
Phenanthrene
Concen: 14.332 ng
RT: 11.457 min Scan# 1156
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Instrument :
BNA_F
ClientSampleId :
OK-02-022522

Tgt Ion:178 Resp: 203049
Ion Ratio Lower Upper
178 100
176 18.2 15.7 23.5
179 14.5 12.3 18.5

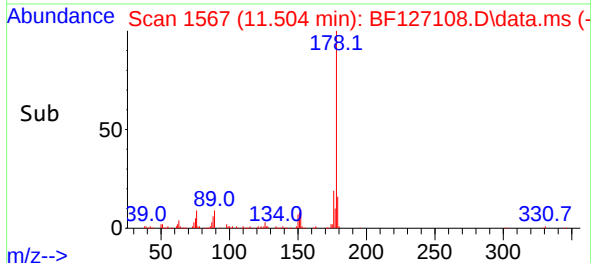
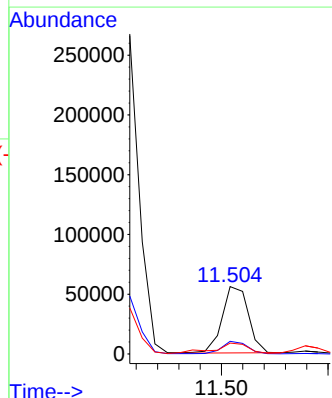
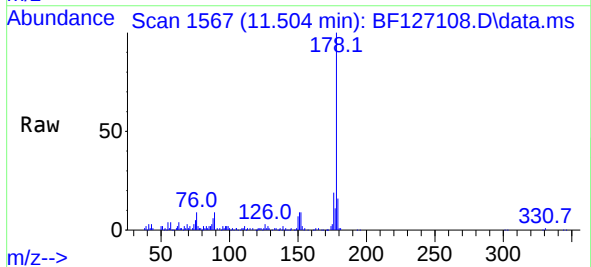
Manual Integrations
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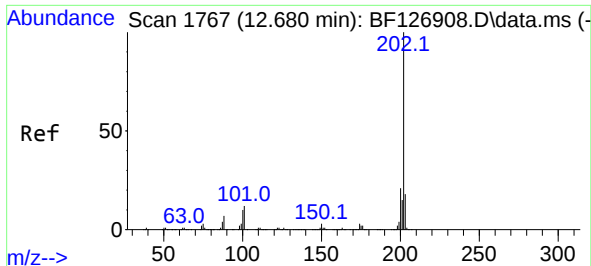
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#72
Anthracene
Concen: 3.377 ng
RT: 11.504 min Scan# 1567
Delta R.T. -0.017 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

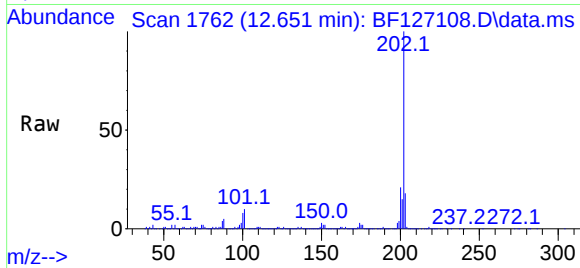
Tgt Ion:178 Resp: 47626
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 16.1 12.5 18.7





#75
Fluoranthene
Concen: 15.186 ng
RT: 12.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

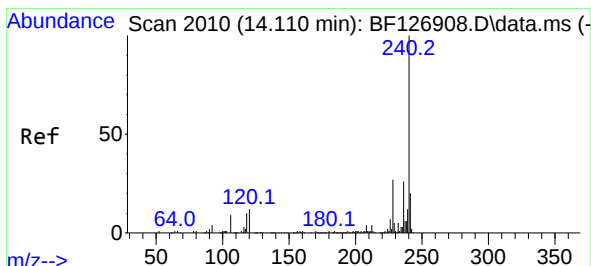
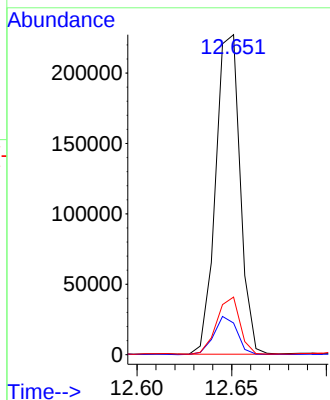
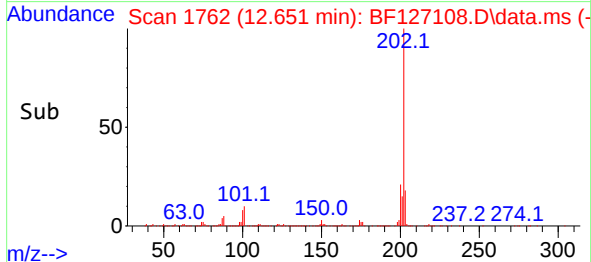
Instrument :
BNA_F
ClientSampleId :
OK-02-022522



Tgt Ion:202 Resp: 204289
Ion Ratio Lower Upper
202 100
101 9.9 0.0 35.7
203 18.0 0.0 37.1

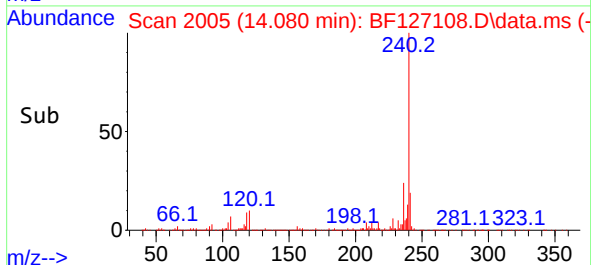
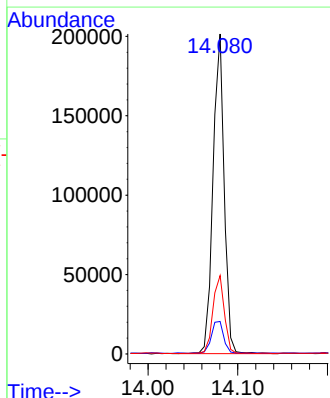
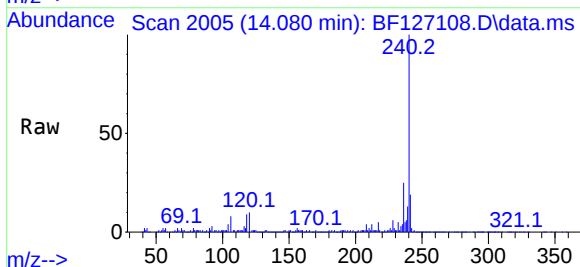
Manual Integrations
APPROVED

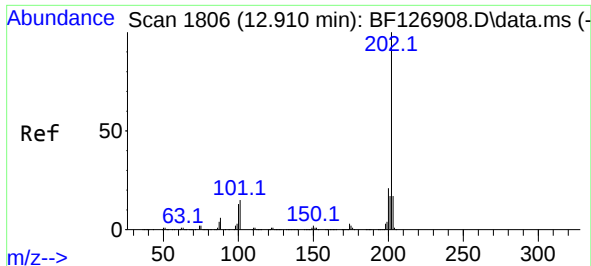
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

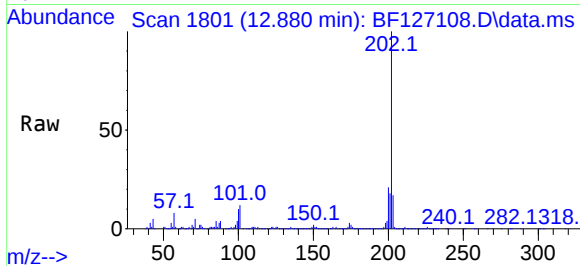
Tgt Ion:240 Resp: 173398
Ion Ratio Lower Upper
240 100
120 10.2 14.4 21.6#
236 24.5 20.5 30.7





#78
Pyrene
Concen: 11.337 ng
RT: 12.880 min Scan# 1801
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

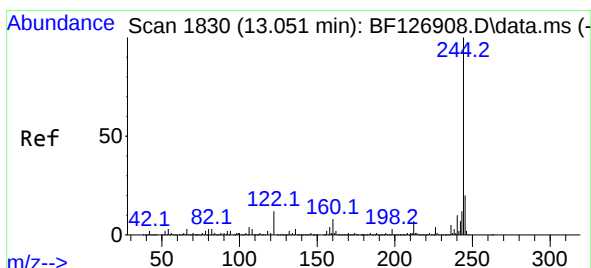
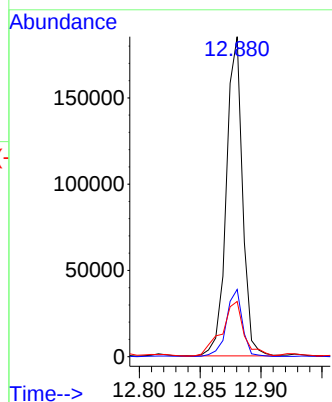
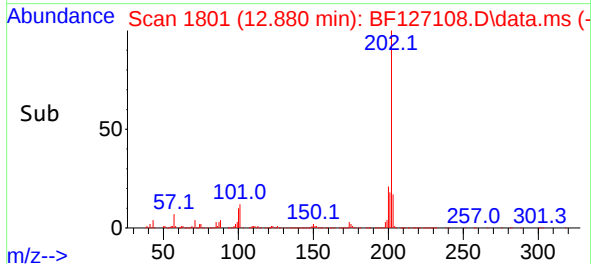
Instrument :
BNA_F
ClientSampleId :
OK-02-022522



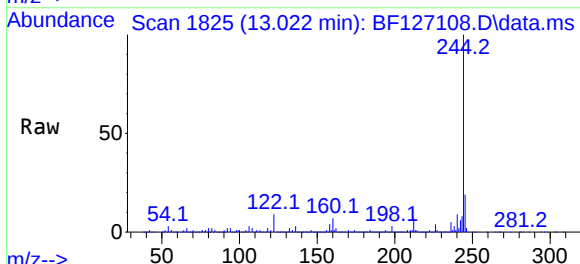
Tgt Ion:202 Resp: 17078
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 17.3 13.8 20.8

Manual Integrations
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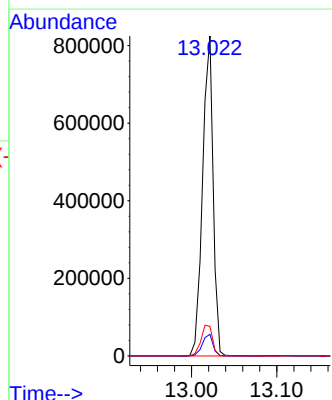
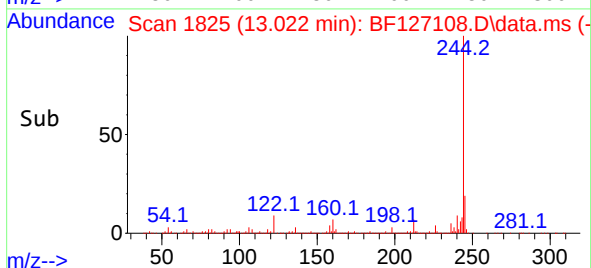
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

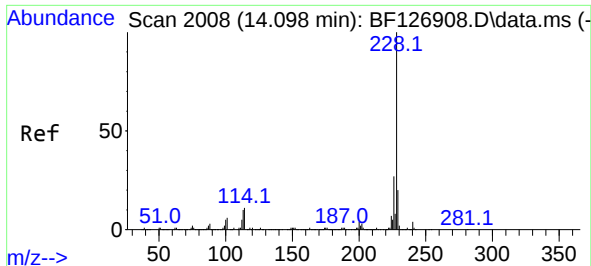


#79
Terphenyl-d14
Concen: 60.065 ng
RT: 13.022 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10



Tgt Ion:244 Resp: 708491
Ion Ratio Lower Upper
244 100
212 6.8 5.0 7.4
122 9.3 13.3 19.9





#81
Benzo(a)anthracene
Concen: 6.309 ng
RT: 14.069 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Instrument :

BNA_F

ClientSampleId :

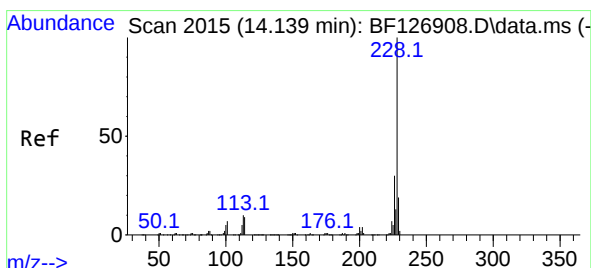
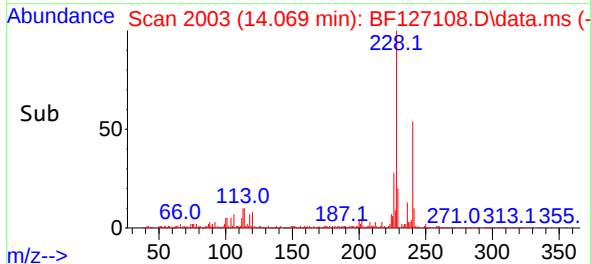
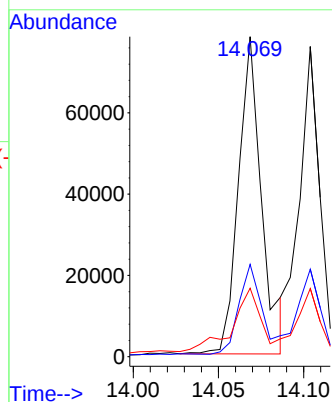
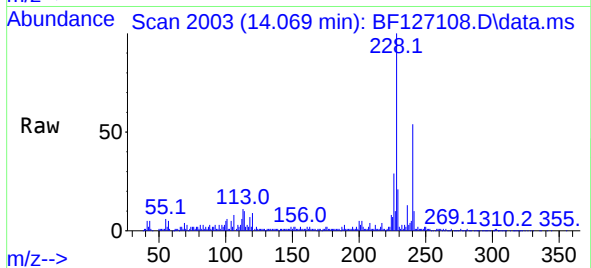
OK-02-022522

Tgt Ion:228 Resp: 73750
Ion Ratio Lower Upper
228 100
226 28.8 21.4 32.0
229 21.4 15.4 23.2

Manual Integrations

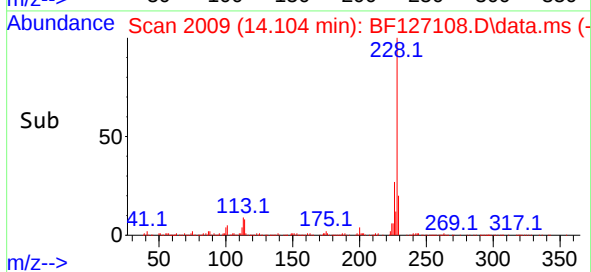
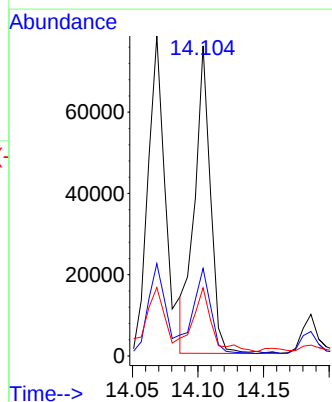
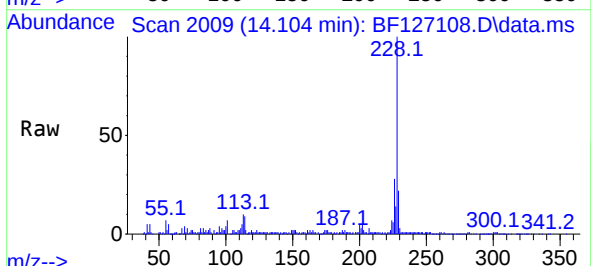
APPROVED

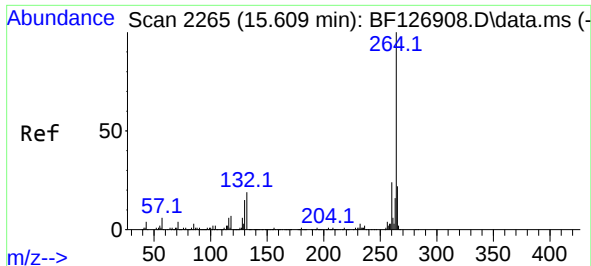
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#83
Chrysene
Concen: 5.824 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Tgt Ion:228 Resp: 64026
Ion Ratio Lower Upper
228 100
226 28.2 23.7 35.5
229 22.0 15.5 23.3





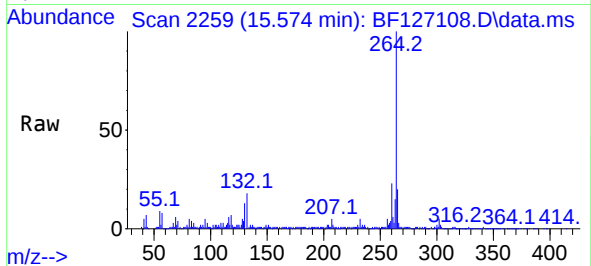
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Instrument :

BNA_F

ClientSampleId :

OK-02-022522

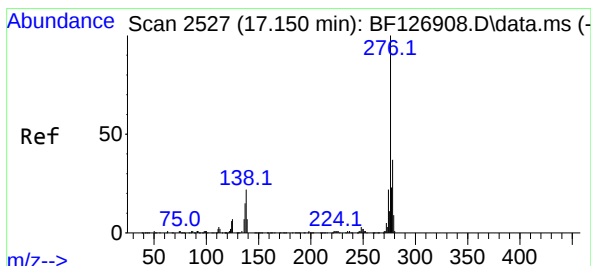
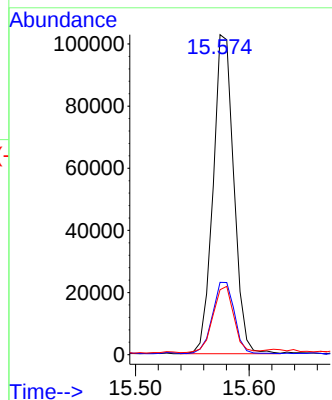
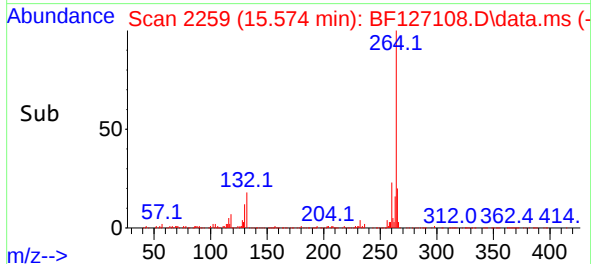


Tgt Ion:264 Resp: 129872
Ion Ratio Lower Upper
264 100
260 22.6 19.2 28.8
265 20.3 17.4 26.2

Manual Integrations

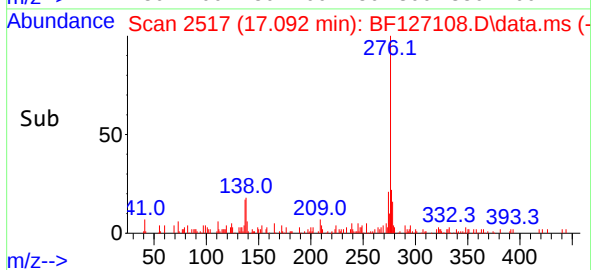
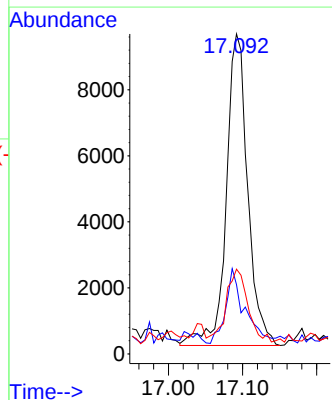
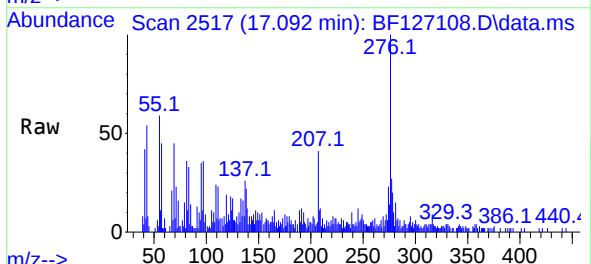
APPROVED

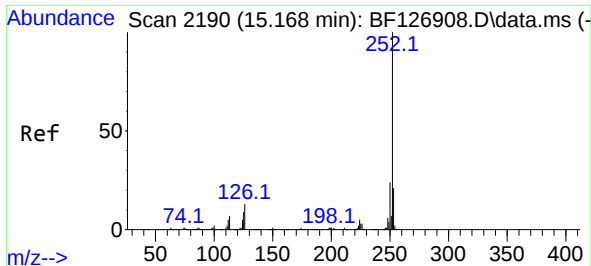
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.226 ng
RT: 17.092 min Scan# 2517
Delta R.T. -0.023 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Tgt Ion:276 Resp: 18957
Ion Ratio Lower Upper
276 100
138 21.3 29.2 43.8#
277 22.1 19.8 29.8





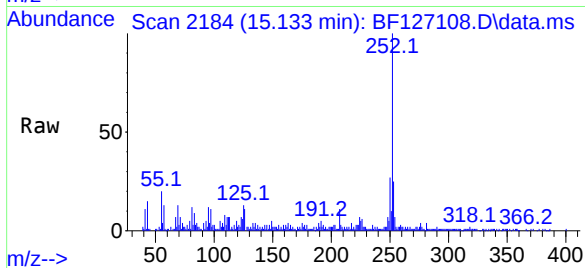
#88
Benzo(b)fluoranthene
Concen: 6.434 ng m
RT: 15.133 min Scan# 2184
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Instrument :

BNA_F

ClientSampleId :

OK-02-022522

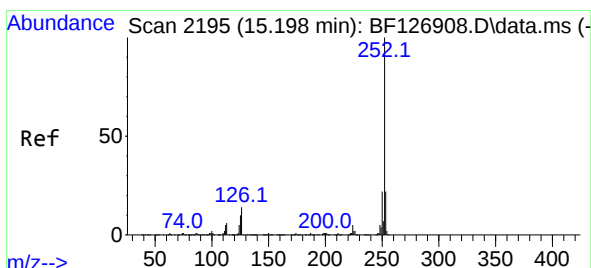
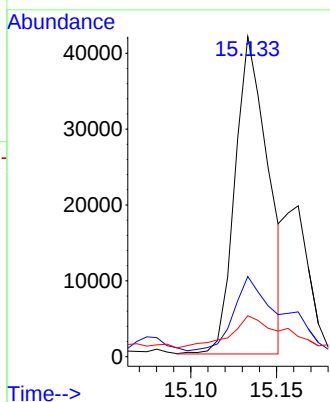
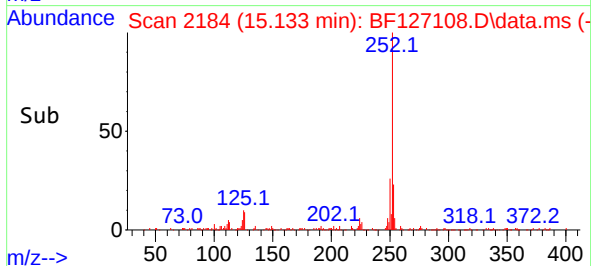


Tgt Ion:252 Resp: 56120
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 12.8 12.4 18.6

Manual Integrations

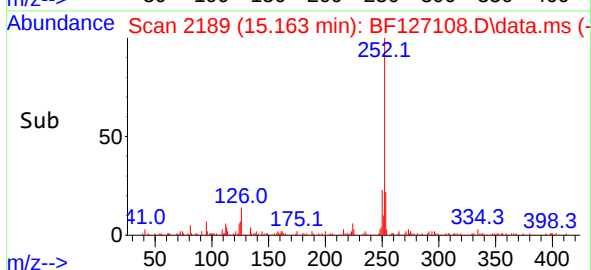
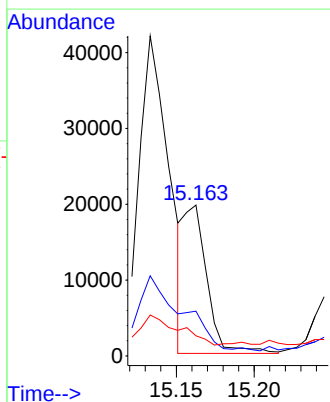
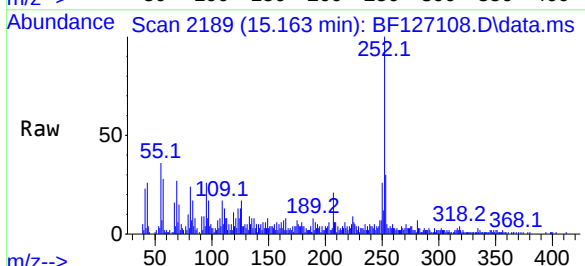
APPROVED

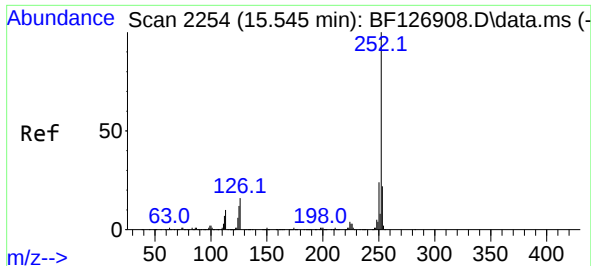
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#89
Benzo(k)fluoranthene
Concen: 2.413 ng m
RT: 15.163 min Scan# 2189
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Tgt Ion:252 Resp: 20305
Ion Ratio Lower Upper
252 100
253 29.7 17.5 26.3#
125 13.4 11.8 17.6





#90
Benzo(a)pyrene
Concen: 5.511 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Instrument :

BNA_F

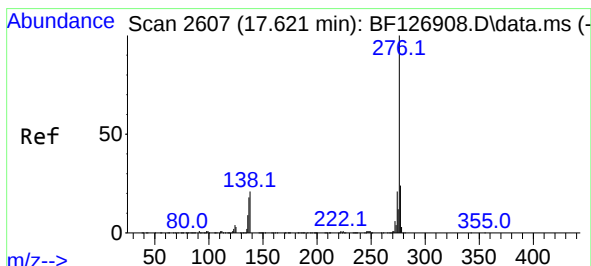
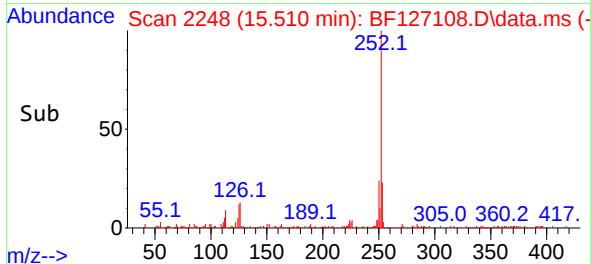
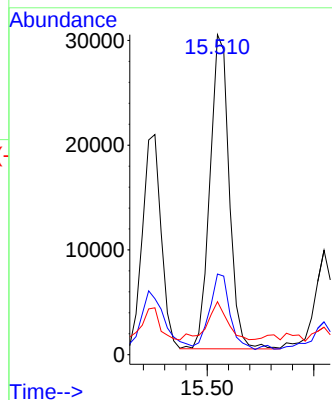
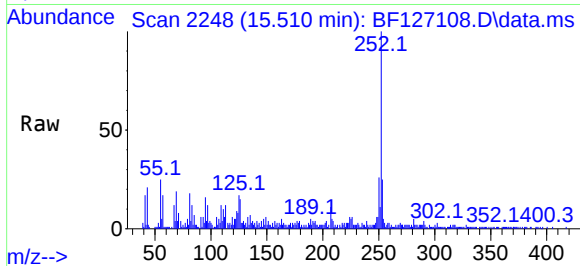
ClientSampleId :

OK-02-022522

Tgt Ion:252 Resp: 37549
Ion Ratio Lower Upper
252 100
253 25.2 17.1 25.7
125 16.6 13.0 19.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#92
Benzo(g,h,i)perylene
Concen: 2.639 ng
RT: 17.557 min Scan# 2596
Delta R.T. -0.023 min
Lab File: BF127108.D
Acq: 28 Feb 2022 19:10

Tgt Ion:276 Resp: 18326
Ion Ratio Lower Upper
276 100
277 27.1 18.5 27.7
138 18.4 25.9 38.9#

