

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022222\
 Data File : BF127021.D
 Acq On : 22 Feb 2022 21:15
 Operator : CG\JU
 Sample : N1610-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-021822

Quant Time: Feb 22 23:59:37 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	76845	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	290936	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	121576	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	174838	20.000	ng	# 0.00
76) Chrysene-d12	14.104	240	124375	20.000	ng	# 0.00
86) Perylene-d12	15.609	264	102604	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	555548	111.737	ng	0.00
7) Phenol-d6	6.545	99	730519	108.888	ng	0.00
23) Nitrobenzene-d5	7.486	82	507328	78.709	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	146426	104.606	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	720686	87.267	ng	0.00
79) Terphenyl-d14	13.045	244	535310	63.270	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.557	94	14524	2.143	ng	# 67
71) Phenanthrene	11.480	178	36442	3.724	ng	96
75) Fluoranthene	12.674	202	67725	7.289	ng	95
78) Pyrene	12.904	202	64644	5.982	ng	97
81) Benzo(a)anthracene	14.092	228	38223	4.559	ng	98
83) Chrysene	14.127	228	34680m	4.398	ng	
87) Indeno(1,2,3-cd)pyrene	17.133	276	15957	2.372	ng	# 84
88) Benzo(b)fluoranthene	15.162	252	39842m	5.782	ng	
90) Benzo(a)pyrene	15.539	252	26438	4.912	ng	# 51
92) Benzo(g,h,i)perylene	17.603	276	15579	2.840	ng	# 90

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

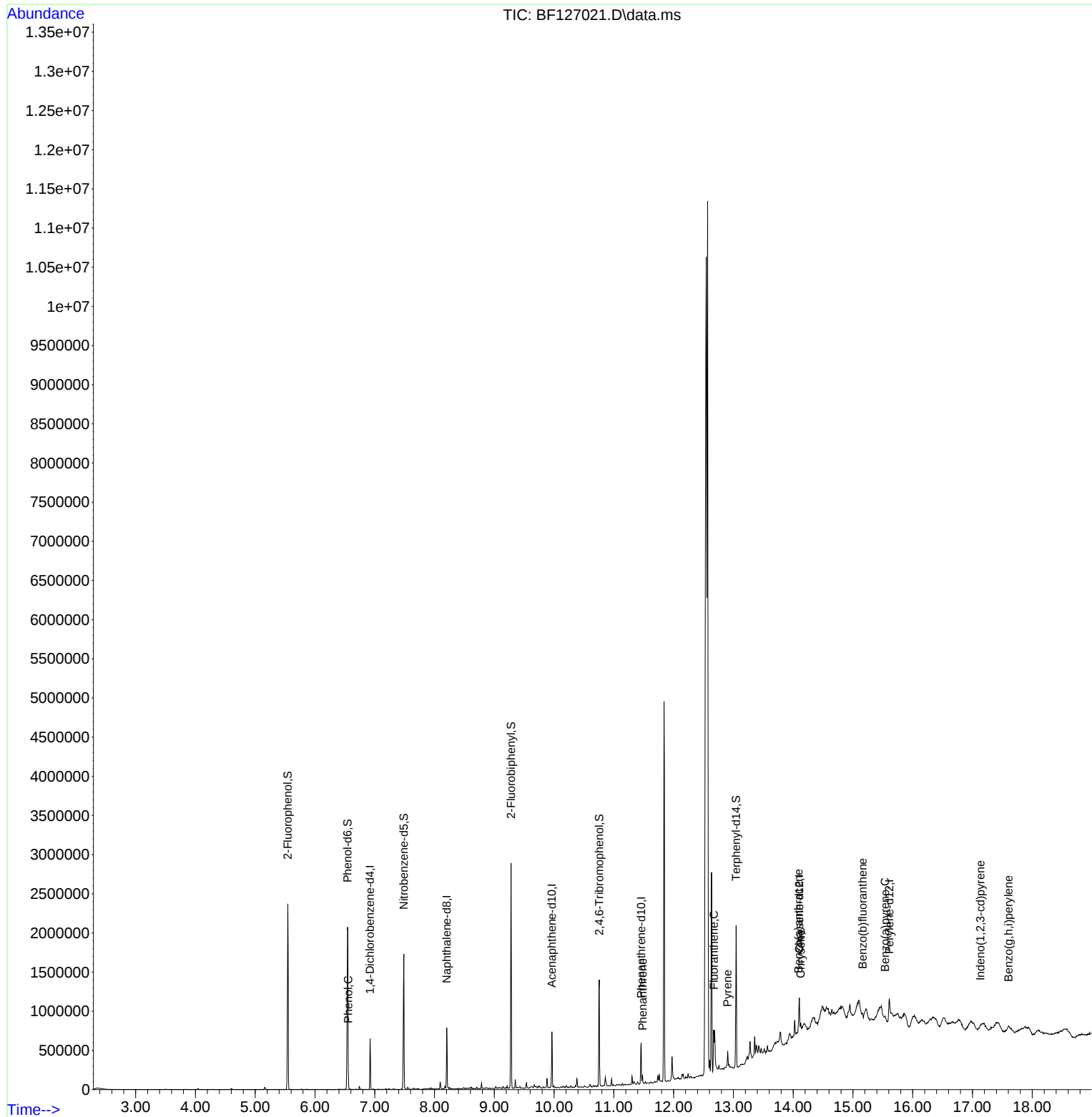
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022222\
Data File : BF127021.D
Acq On : 22 Feb 2022 21:15
Operator : CG\JU
Sample : N1610-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

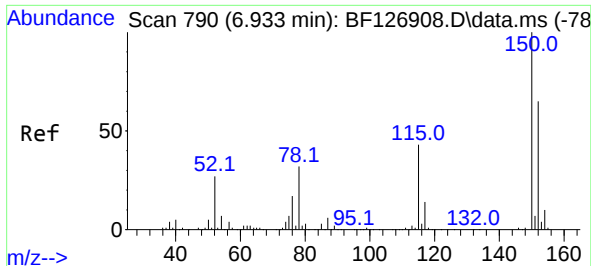
Instrument :
BNA_F
ClientSampleId :
TR-05-021822

Quant Time: Feb 22 23:59:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Instrument :

BNA_F

ClientSampleId :

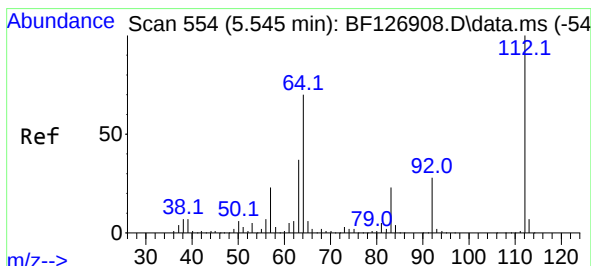
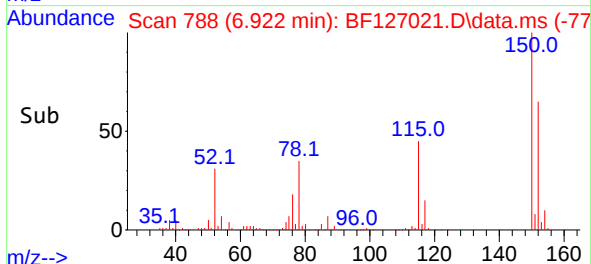
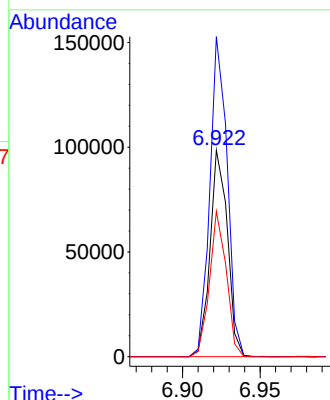
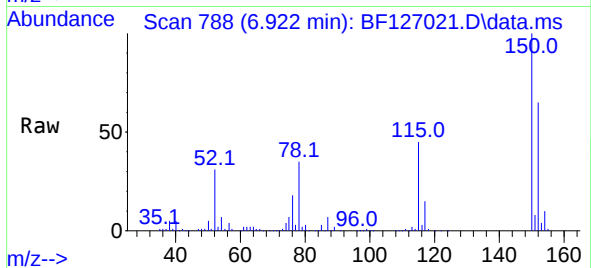
TR-05-021822

Tgt Ion:152 Resp: 7684
Ion Ratio Lower Upper
152 100
150 154.9 128.1 192.1
115 70.4 56.7 85.1

Manual Integrations

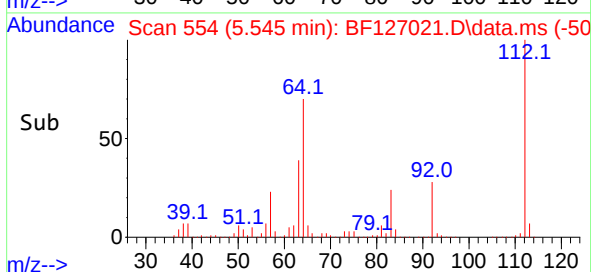
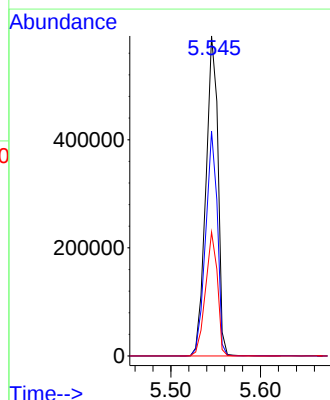
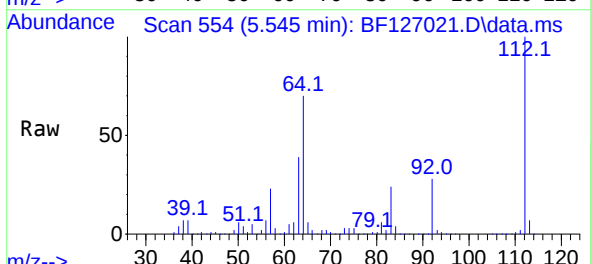
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Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022



#5
2-Fluorophenol
Concen: 111.737 ng
RT: 5.545 min Scan# 554
Delta R.T. 0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

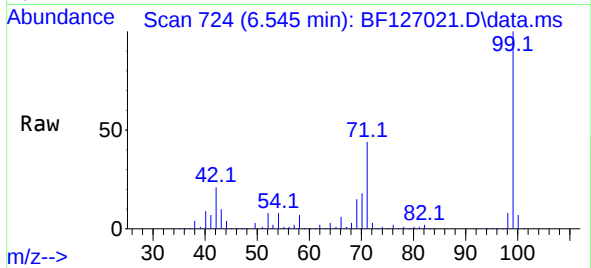
Tgt Ion:112 Resp: 555548
Ion Ratio Lower Upper
112 100
64 70.2 49.5 74.3
63 38.7 23.9 35.9





#7
Phenol-d6
Concen: 108.888 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

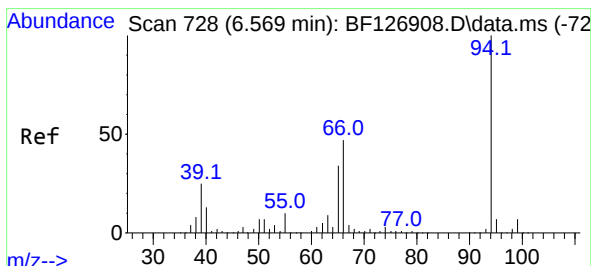
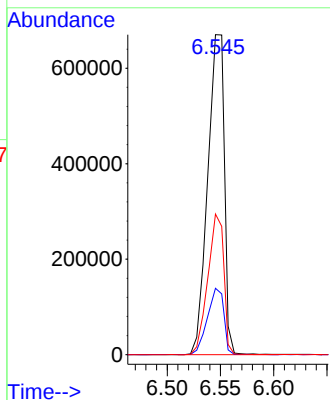
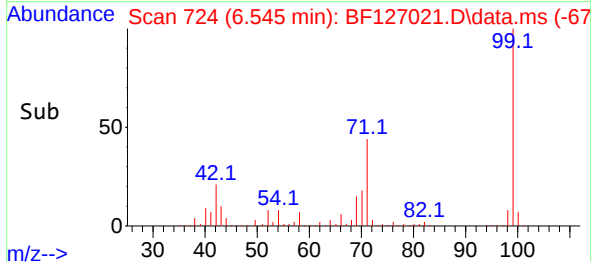
Instrument :
BNA_F
ClientSampleId :
TR-05-021822



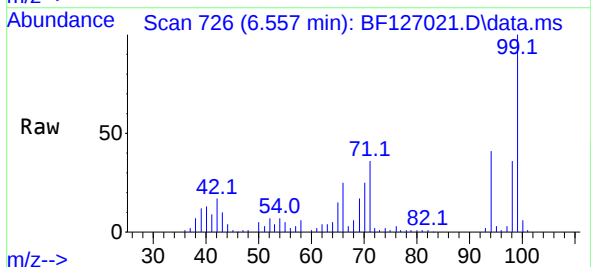
Tgt Ion: 99 Resp: 730519
Ion Ratio Lower Upper
99 100
42 20.7 14.2 21.4
71 43.9 24.3 36.5

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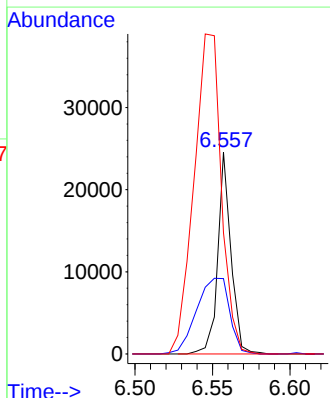
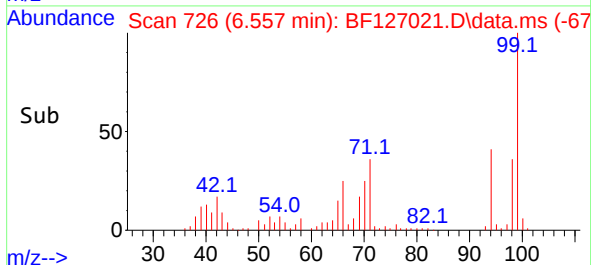
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022

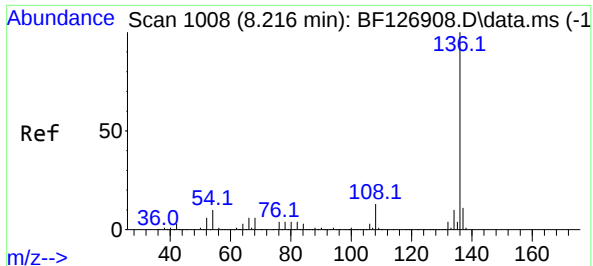


#10
Phenol
Concen: 2.143 ng
RT: 6.557 min Scan# 726
Delta R.T. -0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15



Tgt Ion: 94 Resp: 14524
Ion Ratio Lower Upper
94 100
65 37.3 7.2 47.2
66 60.1 14.5 54.5





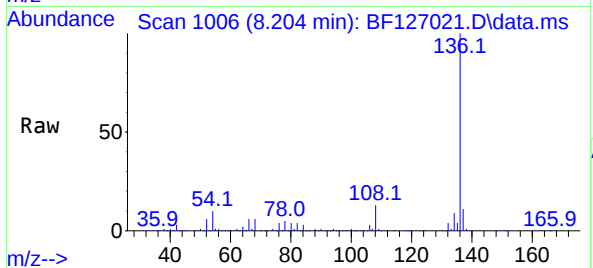
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1006
Delta R.T. -0.000 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Instrument :

BNA_F

ClientSampleId :

TR-05-021822

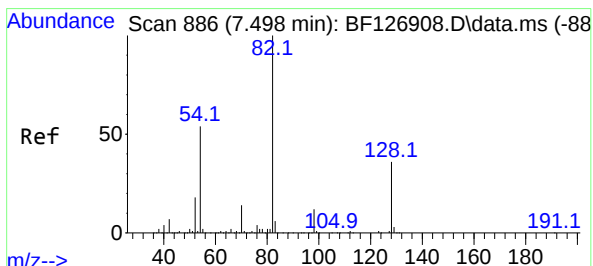
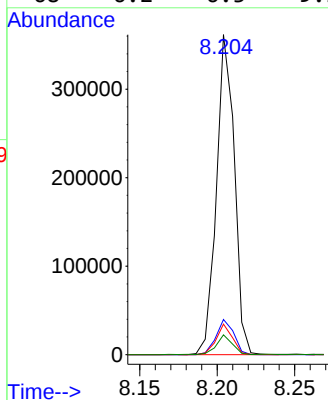
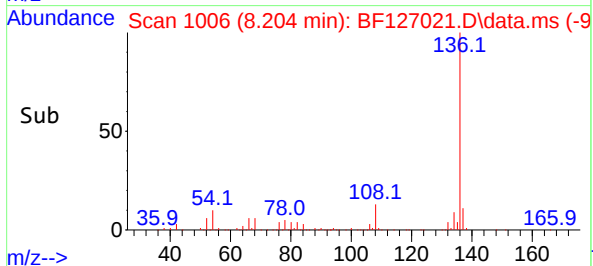


Tgt Ion:136 Resp: 290930
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.6 7.8 11.6
68 6.2 6.3 9.5#

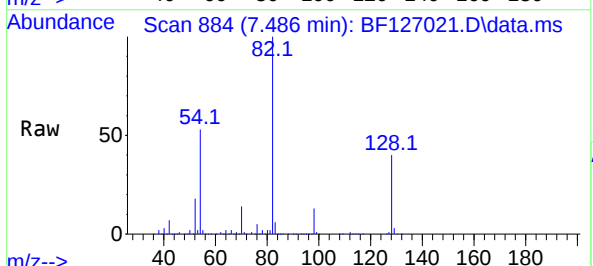
Manual Integrations

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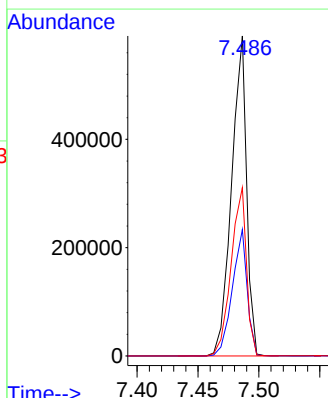
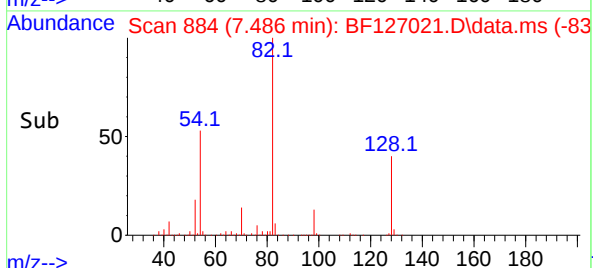
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022

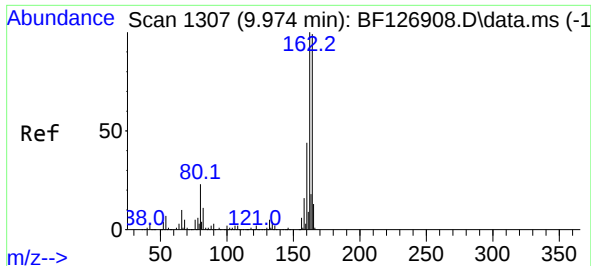


#23
Nitrobenzene-d5
Concen: 78.709 ng
RT: 7.486 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15



Tgt Ion: 82 Resp: 507328
Ion Ratio Lower Upper
82 100
128 39.5 32.7 49.1
54 52.6 41.7 62.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Instrument :

BNA_F

ClientSampleId :

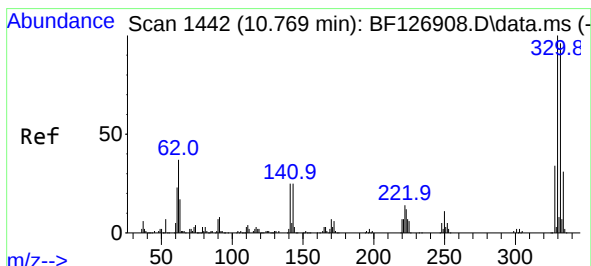
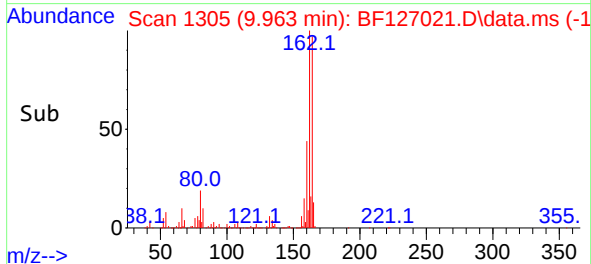
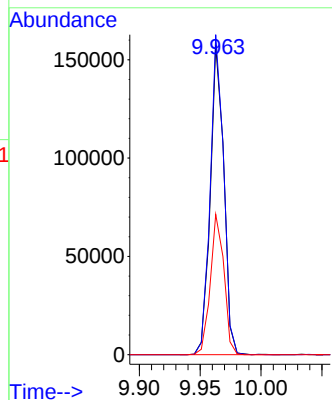
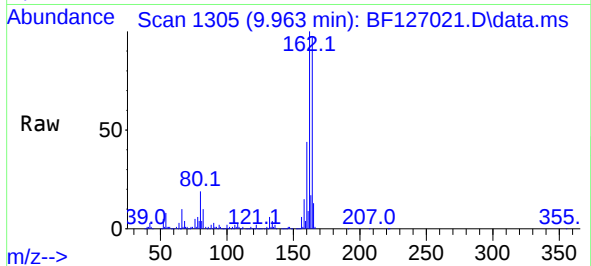
TR-05-021822

Tgt Ion:164 Resp: 121570
Ion Ratio Lower Upper
164 100
162 103.5 81.4 122.0
160 45.4 36.6 54.8

Manual Integrations

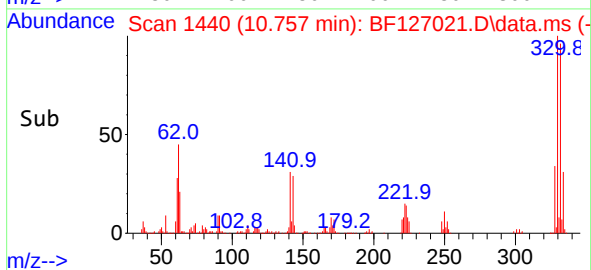
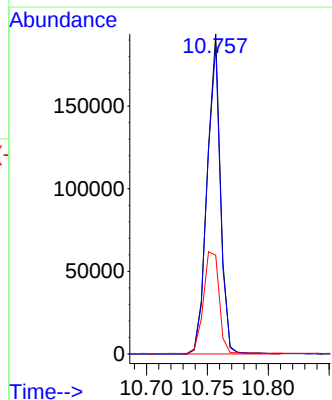
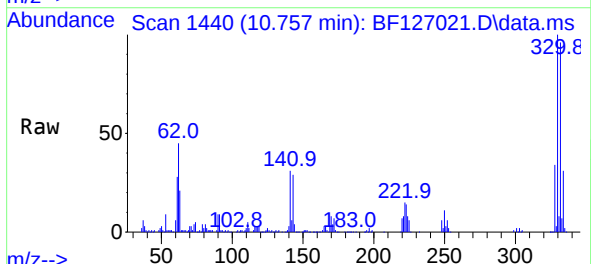
APPROVED

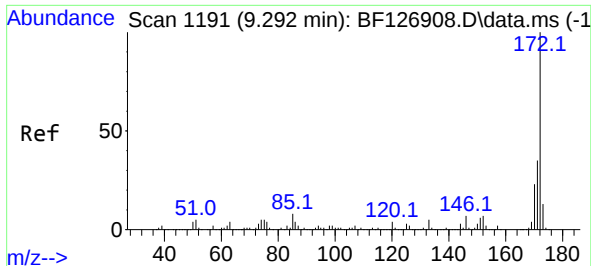
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022



#42
2,4,6-Tribromophenol
Concen: 104.606 ng
RT: 10.757 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Tgt Ion:330 Resp: 146426
Ion Ratio Lower Upper
330 100
332 97.4 76.0 114.0
141 38.7 30.1 45.1





#45
2-Fluorobiphenyl
Concen: 87.267 ng
RT: 9.280 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Instrument :

BNA_F

ClientSampleId :

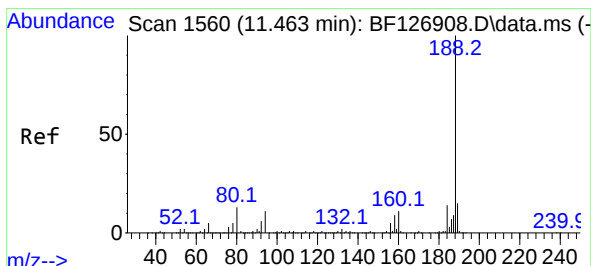
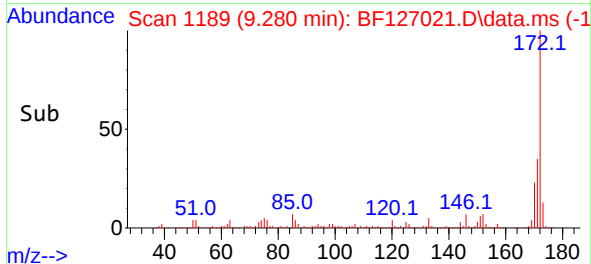
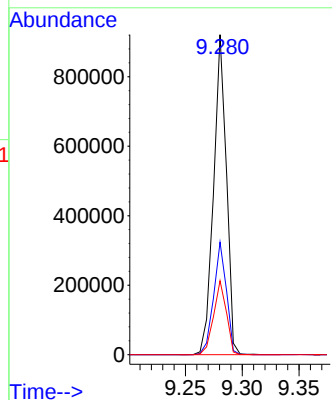
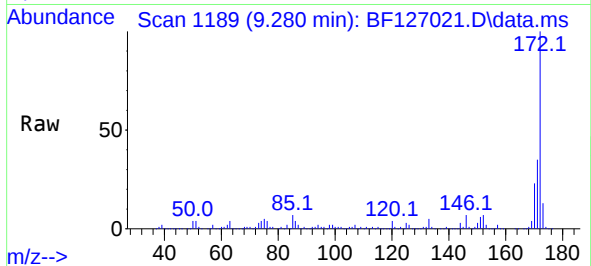
TR-05-021822

Tgt Ion:172 Resp: 720680
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.1 19.0 28.6

Manual Integrations

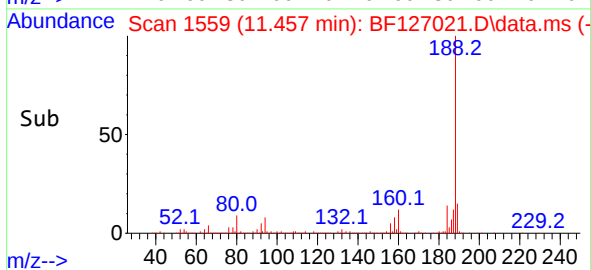
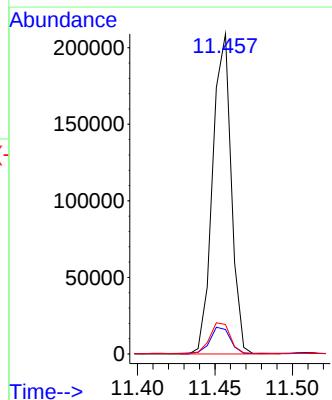
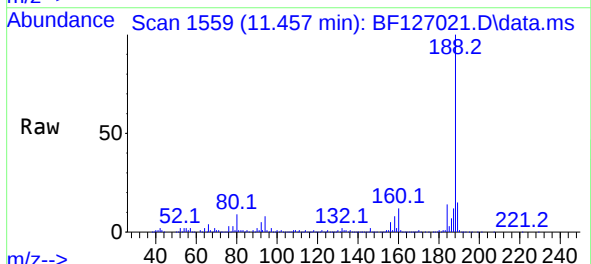
APPROVED

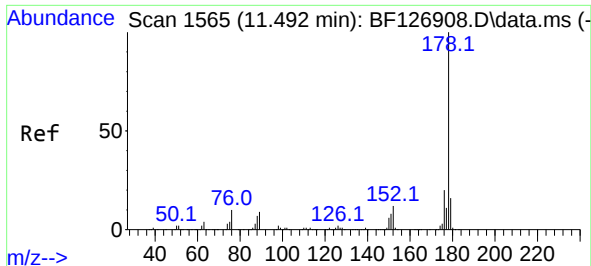
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1559
Delta R.T. 0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Tgt Ion:188 Resp: 174838
Ion Ratio Lower Upper
188 100
94 7.7 10.1 15.1#
80 9.2 11.8 17.6#





#71
Phenanthrene
Concen: 3.724 ng
RT: 11.480 min Scan# 11480
Delta R.T. -0.000 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Instrument :

BNA_F

ClientSampleId :

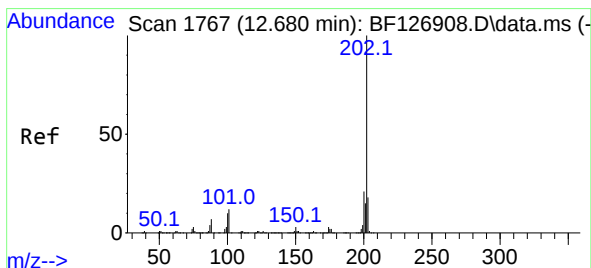
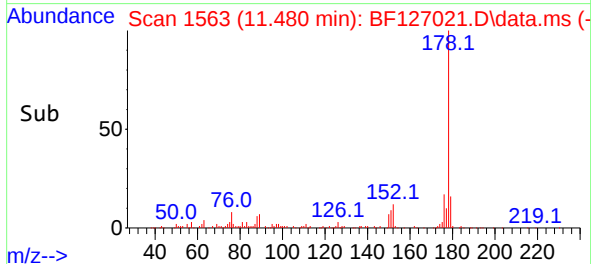
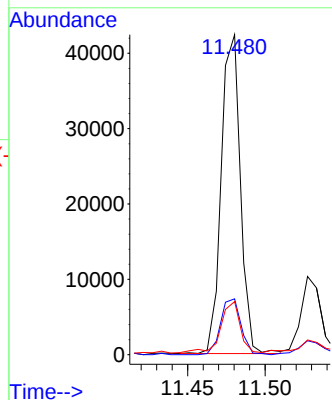
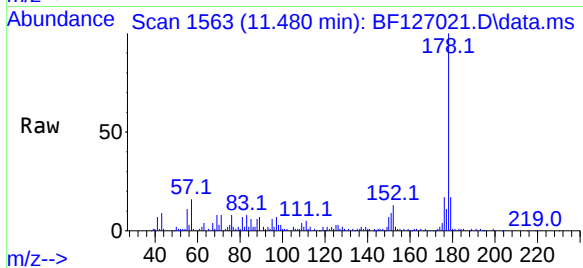
TR-05-021822

Tgt Ion:178 Resp: 3644
Ion Ratio Lower Upper
178 100
176 17.5 15.7 23.5
179 16.6 12.3 18.5

Manual Integrations

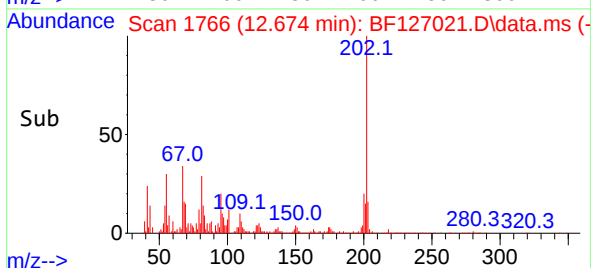
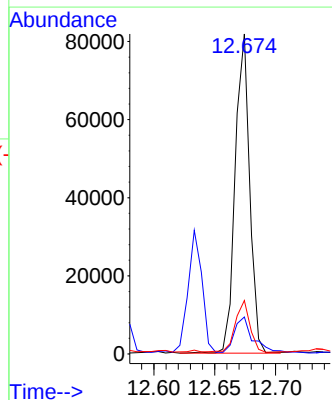
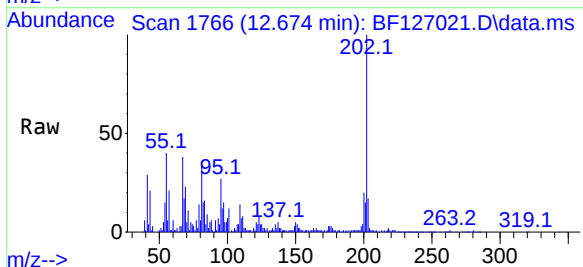
APPROVED

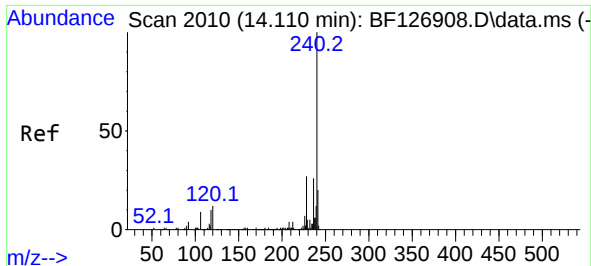
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022



#75
Fluoranthene
Concen: 7.289 ng
RT: 12.674 min Scan# 1766
Delta R.T. 0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Tgt Ion:202 Resp: 67725
Ion Ratio Lower Upper
202 100
101 11.6 0.0 35.7
203 16.7 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Instrument :

BNA_F

ClientSampleId :

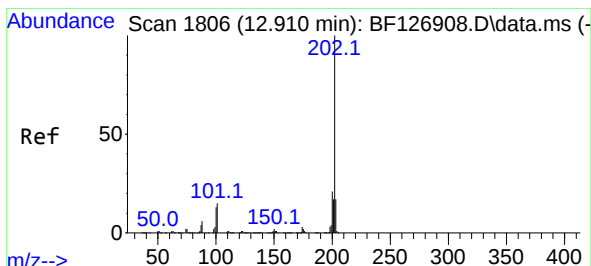
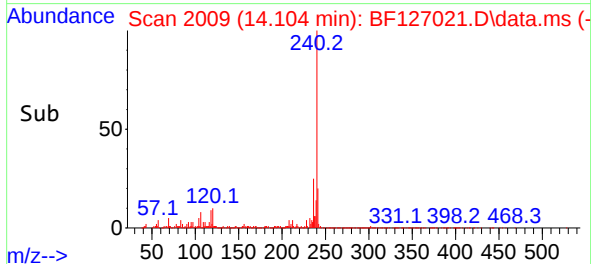
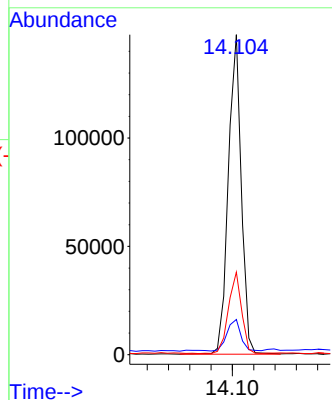
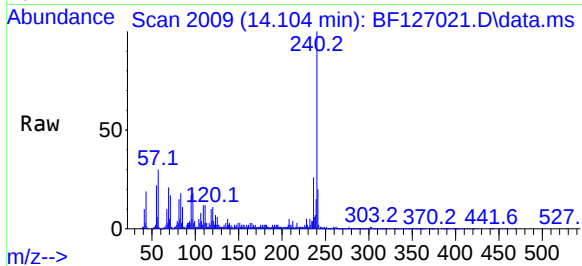
TR-05-021822

Tgt Ion:240 Resp: 124375
Ion Ratio Lower Upper
240 100
120 11.0 14.4 21.6
236 25.8 20.5 30.7

Manual Integrations

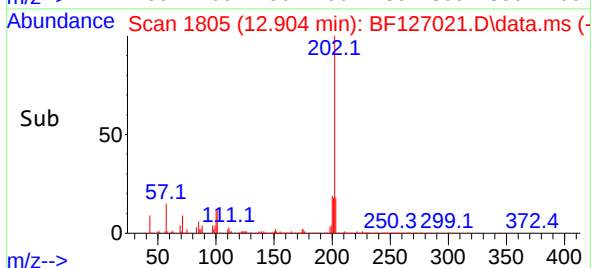
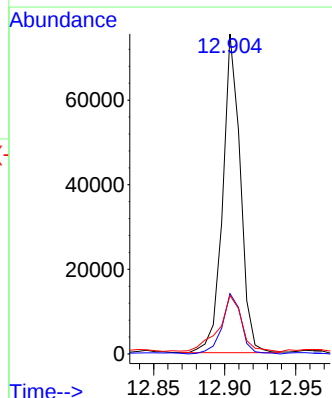
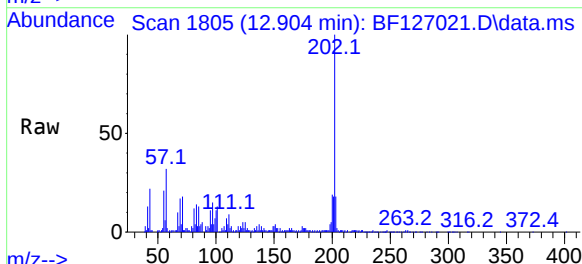
APPROVED

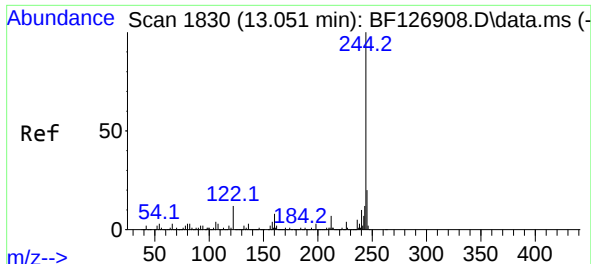
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022



#78
Pyrene
Concen: 5.982 ng
RT: 12.904 min Scan# 1805
Delta R.T. 0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Tgt Ion:202 Resp: 64644
Ion Ratio Lower Upper
202 100
200 18.9 16.6 24.8
203 18.3 13.8 20.8





#79
 Terphenyl-d14
 Concen: 63.270 ng
 RT: 13.045 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF127021.D
 Acq: 22 Feb 2022 21:15

Instrument :

BNA_F

ClientSampleId :

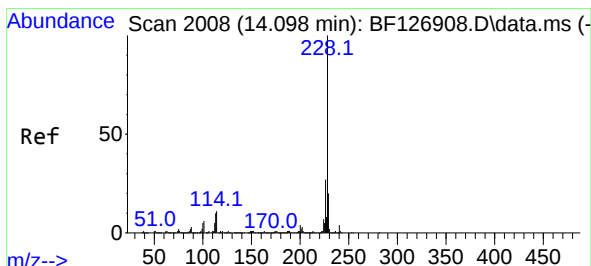
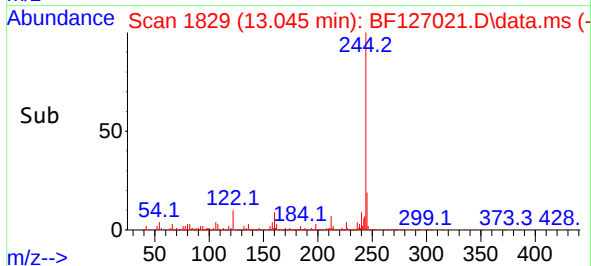
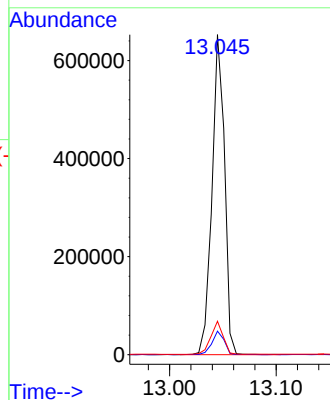
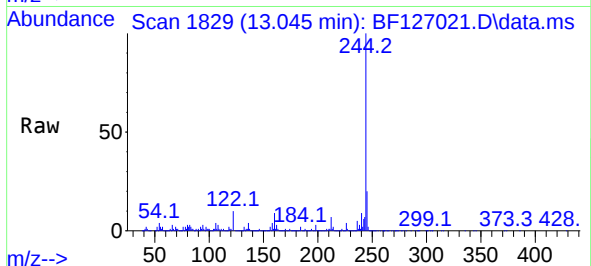
TR-05-021822

Tgt Ion:244 Resp: 535310
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.0 7.4
 122 10.5 13.3 19.9

Manual Integrations

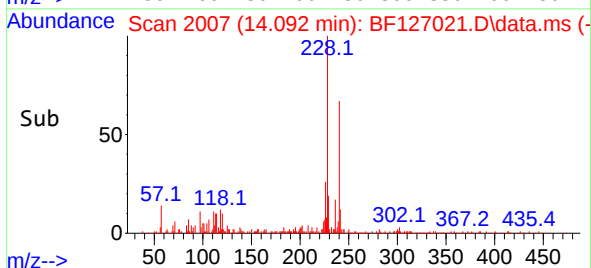
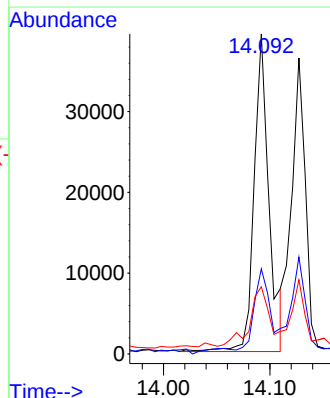
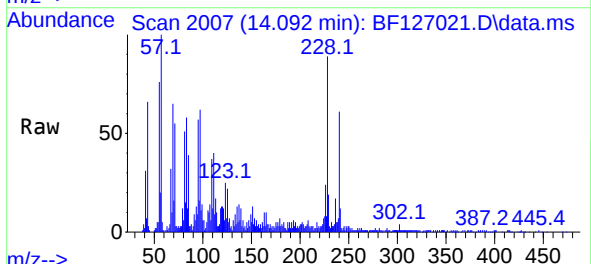
APPROVED

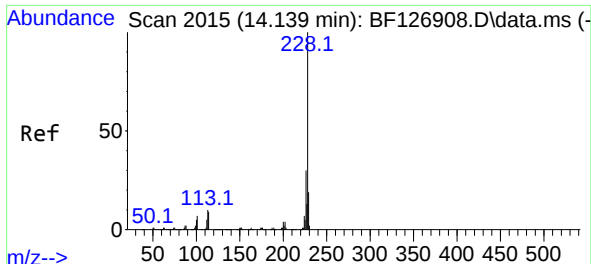
Reviewed By :Christian Giraldo 02/23/2022
 Supervised By :Jagrut Upadhyay 02/23/2022



#81
 Benzo(a)anthracene
 Concen: 4.559 ng
 RT: 14.092 min Scan# 2007
 Delta R.T. 0.006 min
 Lab File: BF127021.D
 Acq: 22 Feb 2022 21:15

Tgt Ion:228 Resp: 38223
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.4 32.0
 229 21.0 15.4 23.2





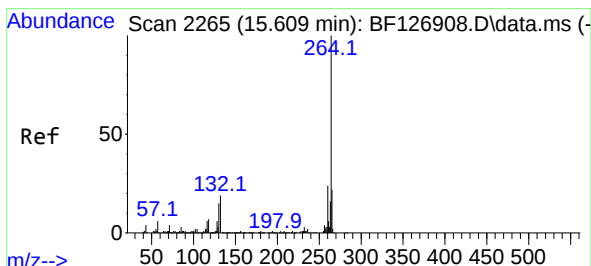
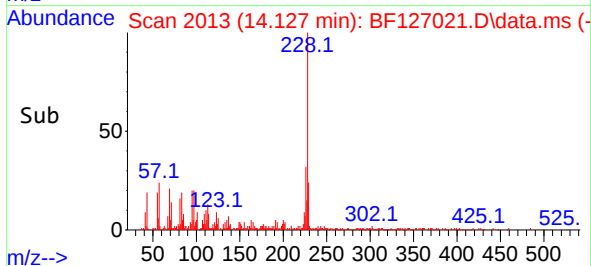
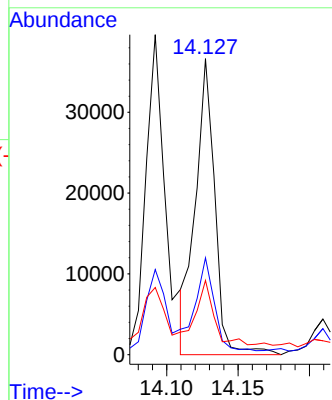
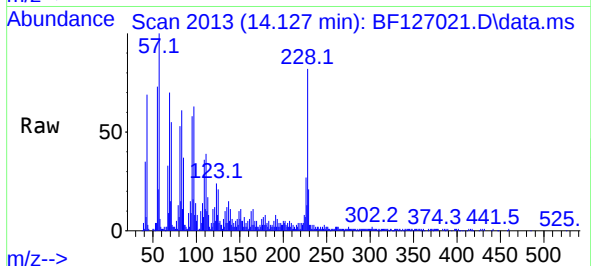
#83
Chrysene
Concen: 4.398 ng m
RT: 14.127 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Instrument :
BNA_F
ClientSampleId :
TR-05-021822

Tgt Ion:228 Resp: 34680
Ion Ratio Lower Upper
228 100
226 32.7 23.7 35.5
229 25.1 15.5 23.3

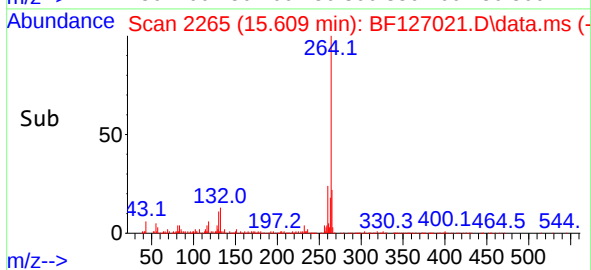
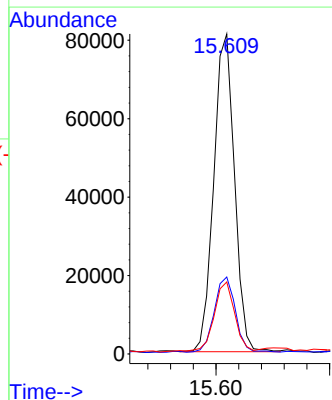
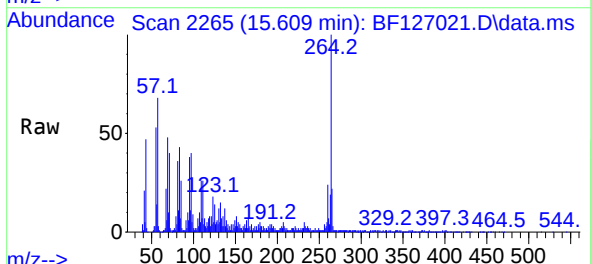
Manual Integrations
APPROVED

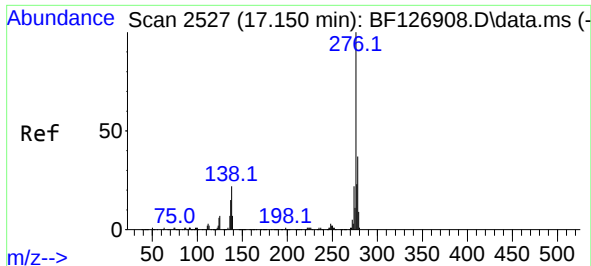
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.609 min Scan# 2265
Delta R.T. 0.018 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

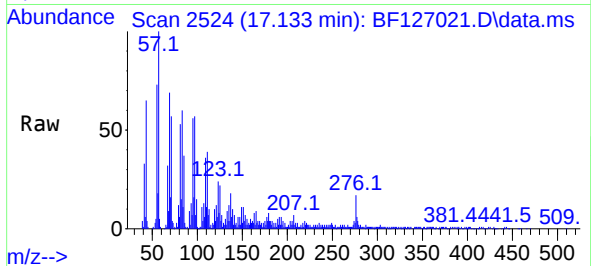
Tgt Ion:264 Resp: 102604
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.5 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.372 ng
RT: 17.133 min Scan# 2189
Delta R.T. 0.018 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

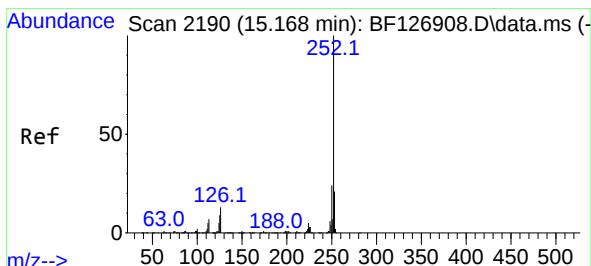
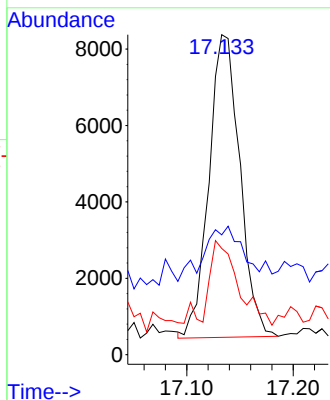
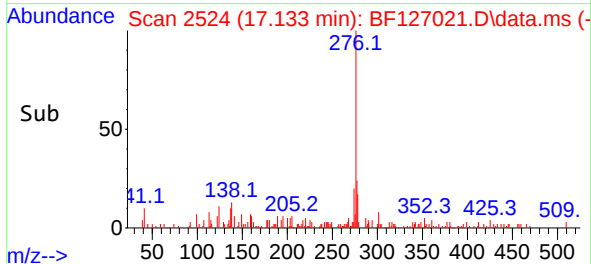
Instrument :
BNA_F
ClientSampleId :
TR-05-021822



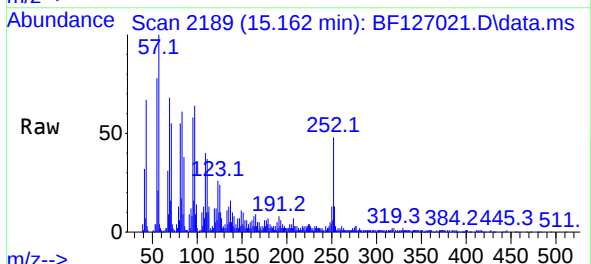
Tgt Ion:276 Resp: 1595
Ion Ratio Lower Upper
276 100
138 22.5 29.2 43.8#
277 27.0 19.8 29.8

Manual Integrations
APPROVED

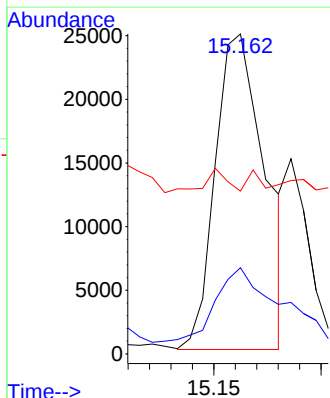
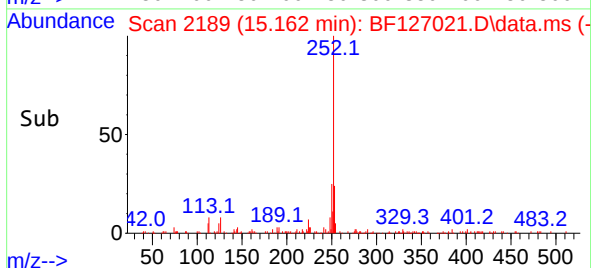
Reviewed By :Christian Giraldo 02/23/2022
Supervised By :Jagrut Upadhyay 02/23/2022

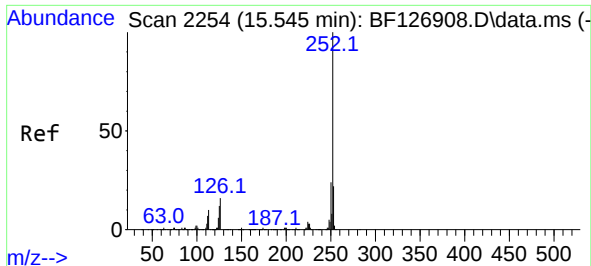


#88
Benzo(b)fluoranthene
Concen: 5.782 ng m
RT: 15.162 min Scan# 2189
Delta R.T. 0.012 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15



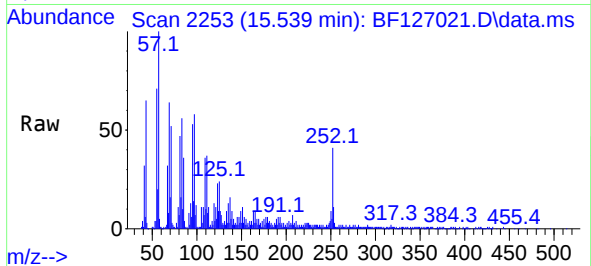
Tgt Ion:252 Resp: 39842
Ion Ratio Lower Upper
252 100
253 26.9 17.8 26.8#
125 50.9 12.4 18.6#





#90
Benzo(a)pyrene
Concen: 4.912 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

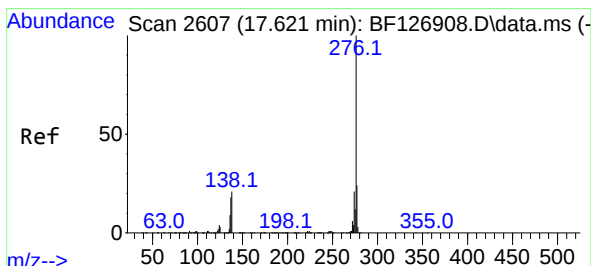
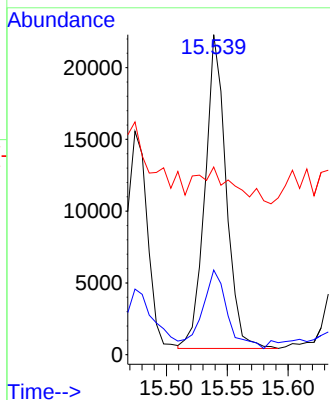
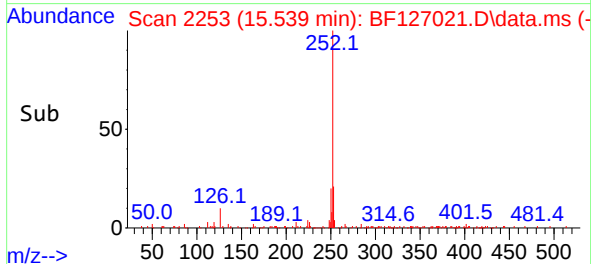
Instrument :
BNA_F
ClientSampleId :
TR-05-021822



Tgt Ion:252 Resp: 26438
Ion Ratio Lower Upper
252 100
253 26.5 17.1 25.7
125 58.7 13.0 19.6

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 2.840 ng
RT: 17.603 min Scan# 2604
Delta R.T. 0.018 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Tgt Ion:276 Resp: 15579
Ion Ratio Lower Upper
276 100
277 30.7 18.5 27.7
138 35.9 25.9 38.9

