

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051622\
 Data File : BF128268.D
 Acq On : 16 May 2022 15:10
 Operator : CG\JU
 Sample : N2826-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-051222

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/17/2022
 Supervised By : Jagrut Upadhyay 05/17/2022

Quant Time: May 16 15:38:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 14 00:51:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	72641	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	266555	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	136201	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	229767	20.000	ng	0.00
76) Chrysene-d12	14.068	240	177562	20.000	ng	0.00
86) Perylene-d12	15.562	264	122122	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	454223	99.681	ng	0.00
7) Phenol-d6	6.516	99	576400	95.636	ng	-0.01
23) Nitrobenzene-d5	7.451	82	396832	66.988	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	126804	81.177	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	591373	67.938	ng	-0.01
79) Terphenyl-d14	13.004	244	630212	66.599	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.786	152	32706	2.942	ng	99
71) Phenanthrene	11.439	178	139375	12.182	ng	99
72) Anthracene	11.492	178	58207	5.096	ng	100
75) Fluoranthene	12.633	202	434221	35.007	ng	99
78) Pyrene	12.868	202	434136	33.720	ng	100
81) Benzo(a)anthracene	14.057	228	244323	21.543	ng	94
83) Chrysene	14.092	228	228857m	21.148	ng	
87) Indeno(1,2,3-cd)pyrene	17.086	276	108215	14.649	ng	# 93
88) Benzo(b)fluoranthene	15.127	252	282386m	37.302	ng	
89) Benzo(k)fluoranthene	15.151	252	71019m	9.504	ng	
90) Benzo(a)pyrene	15.504	252	185297	30.319	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	27430	4.586	ng	# 84
92) Benzo(g,h,i)perylene	17.550	276	103261	17.052	ng	98

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

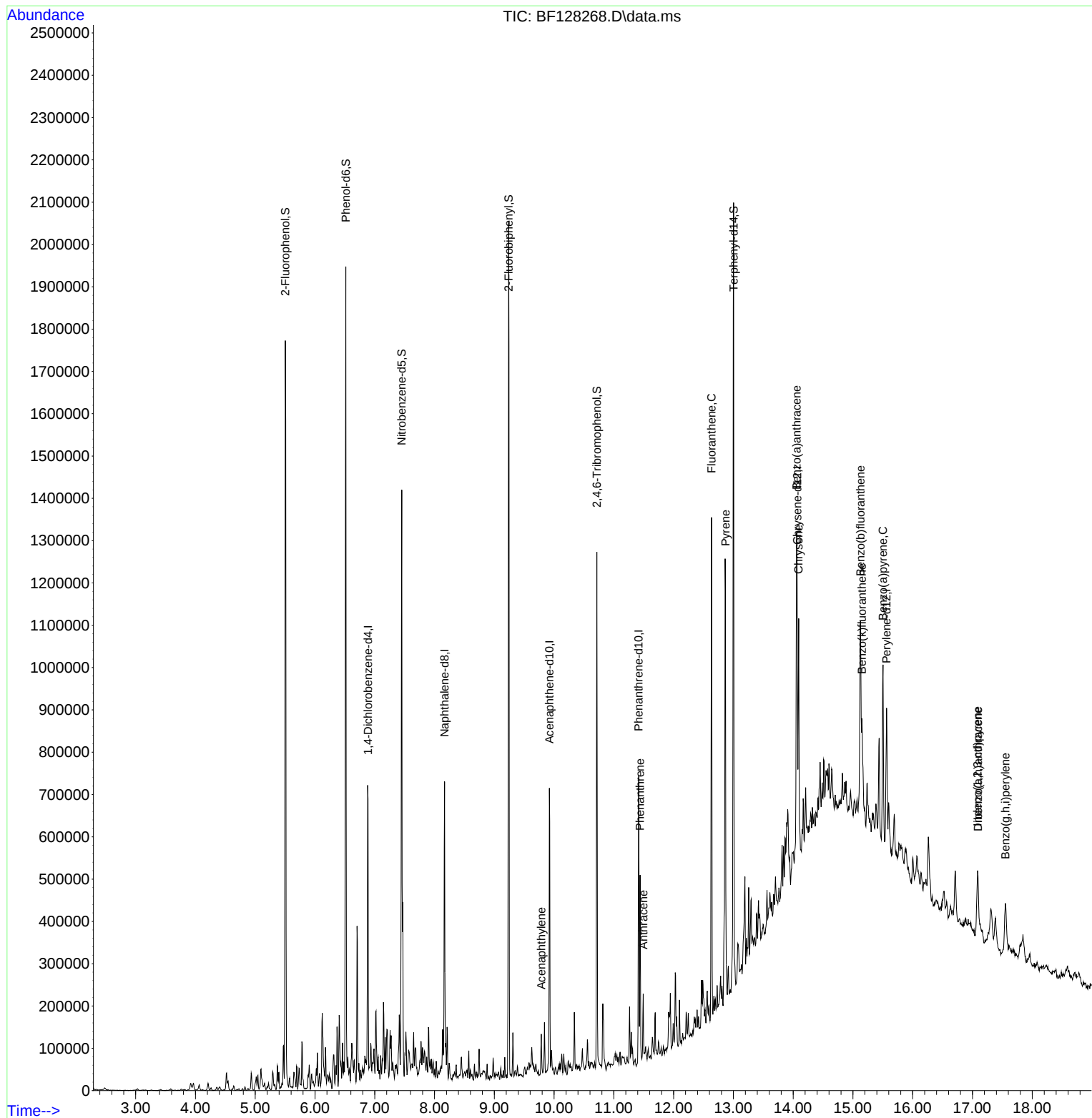
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051622\
Data File : BF128268.D
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ALS Vial : 12 Sample Multiplier: 1

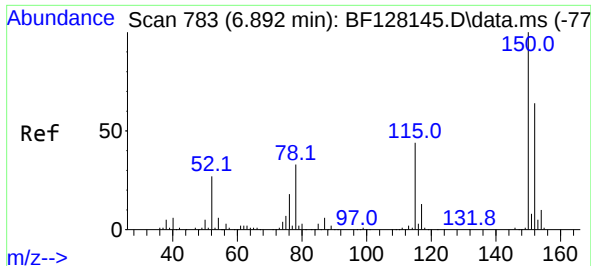
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Quant Time: May 16 15:38:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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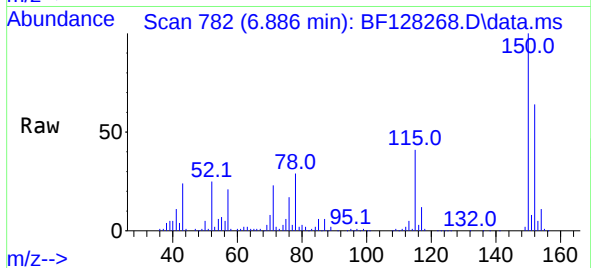
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 71
Delta R.T. -0.001 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

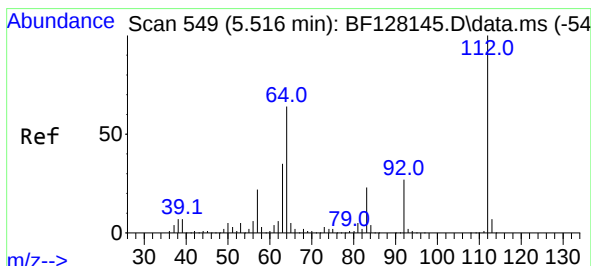
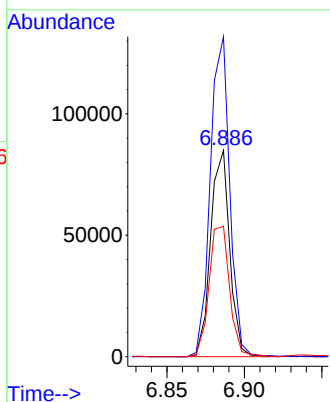
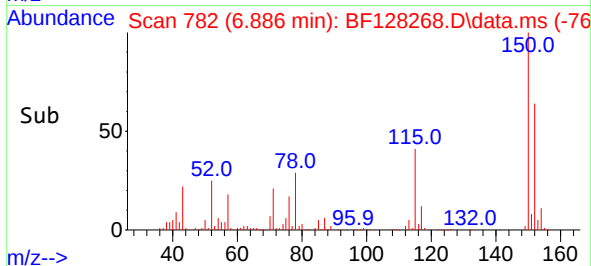
Instrument :
BNA_F
ClientSampleId :
PL-05-051222



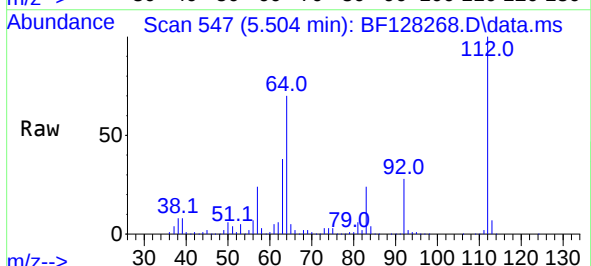
Tgt Ion:152 Resp: 7264
Ion Ratio Lower Upper
152 100
150 155.1 125.3 187.9
115 63.2 48.8 73.2

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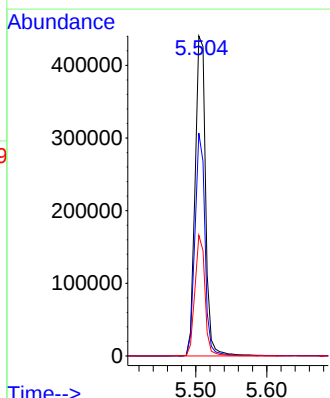
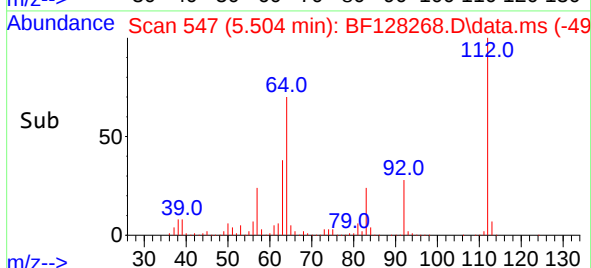
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

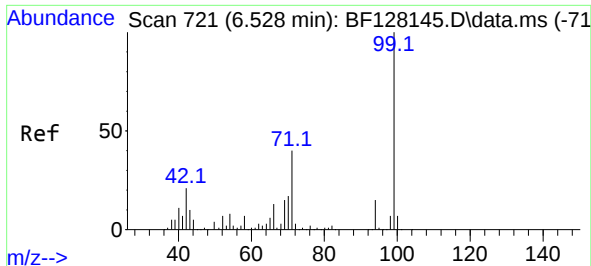


#5
2-Fluorophenol
Concen: 99.681 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.006 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10



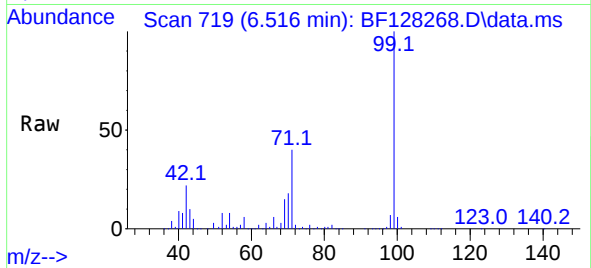
Tgt Ion:112 Resp: 454223
Ion Ratio Lower Upper
112 100
64 69.7 49.5 74.3
63 37.7 26.3 39.5





#7
Phenol-d6
Concen: 95.636 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

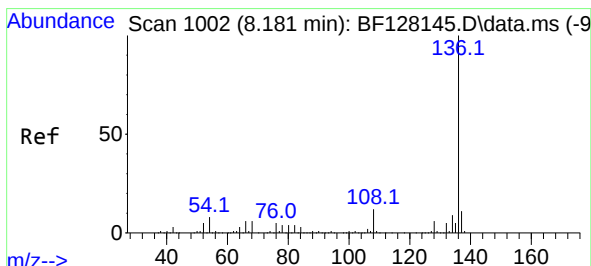
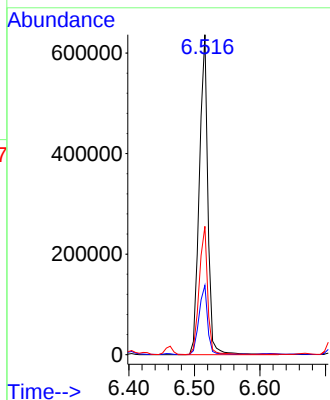
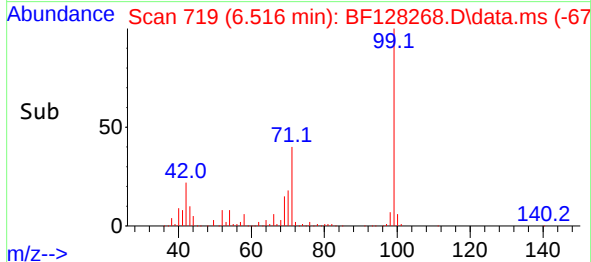
Instrument :
BNA_F
ClientSampleId :
PL-05-051222



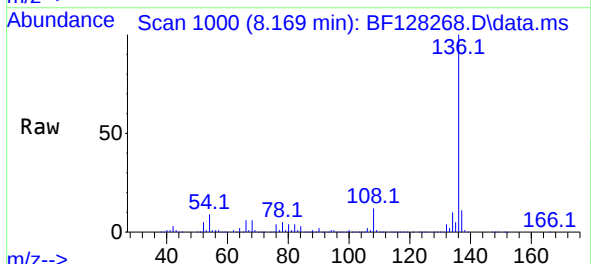
Tgt Ion: 99 Resp: 576400
Ion Ratio Lower Upper
99 100
42 21.6 16.6 24.8
71 40.1 30.0 45.0

Manual Integrations
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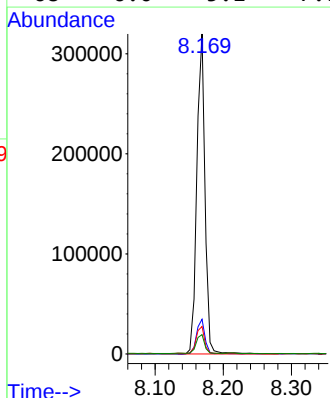
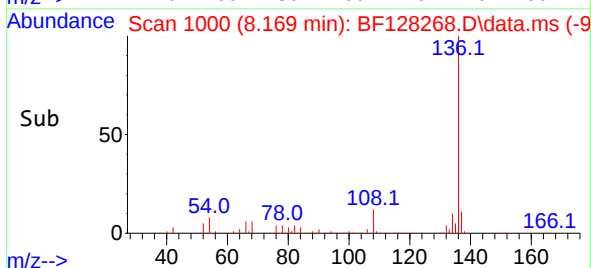
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

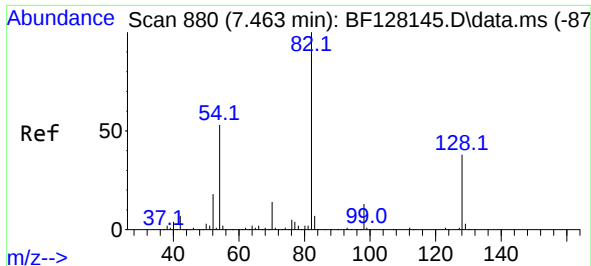


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10



Tgt Ion:136 Resp: 266555
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.6 6.8 10.2
68 6.0 5.1 7.7





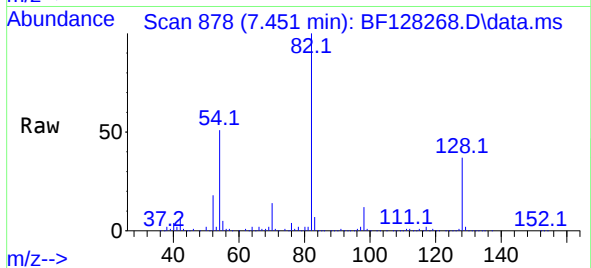
#23
Nitrobenzene-d5
Concen: 66.988 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

Instrument :

BNA_F

ClientSampleId :

PL-05-051222

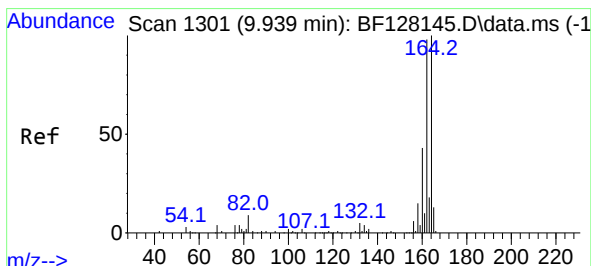
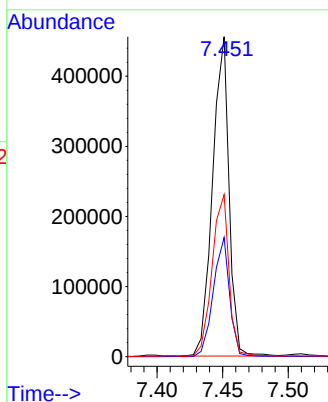
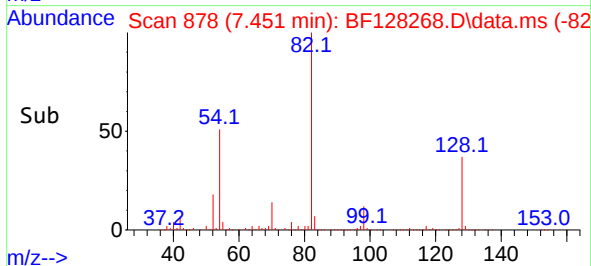


Tgt Ion: 82 Resp: 396832
Ion Ratio Lower Upper
82 100
128 37.3 30.0 45.0
54 50.7 41.3 61.9

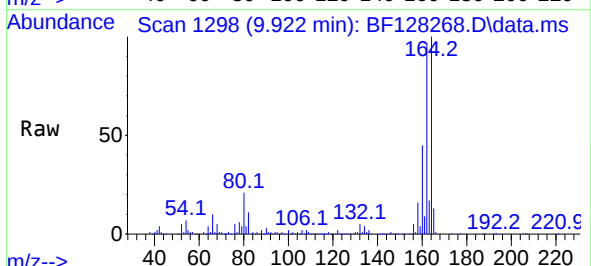
Manual Integrations

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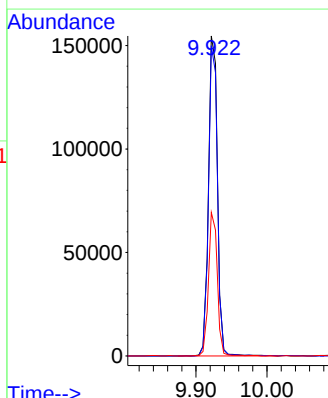
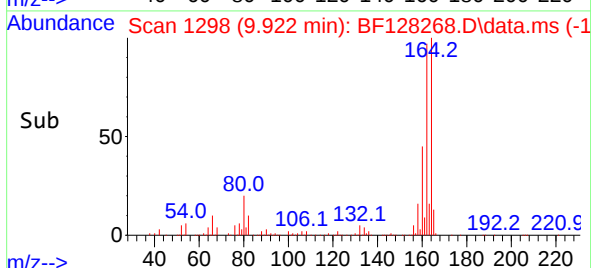
Reviewed By :Christian Giraldo 05/17/2022
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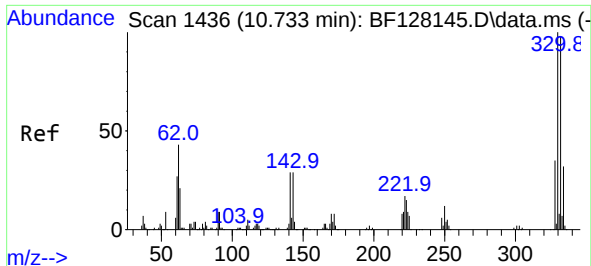


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.012 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10



Tgt Ion:164 Resp: 136201
Ion Ratio Lower Upper
164 100
162 96.9 76.0 114.0
160 44.9 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 81.177 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

Instrument :

BNA_F

ClientSampleId :

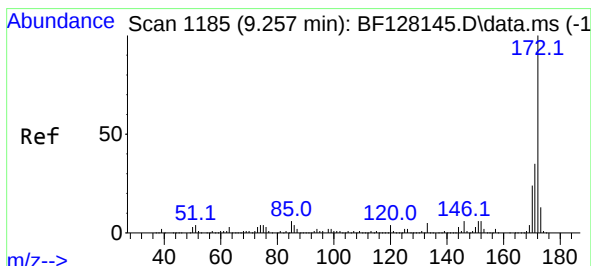
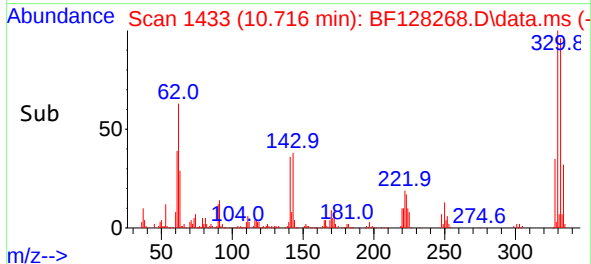
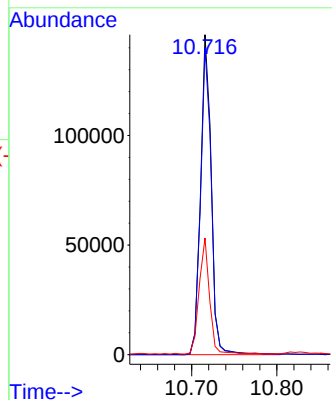
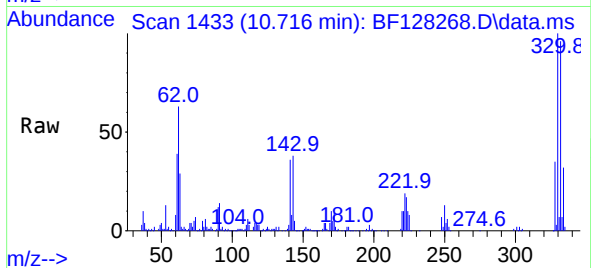
PL-05-051222

Tgt Ion:330 Resp: 126804
Ion Ratio Lower Upper
330 100
332 95.7 79.0 118.4
141 35.7 28.9 43.3

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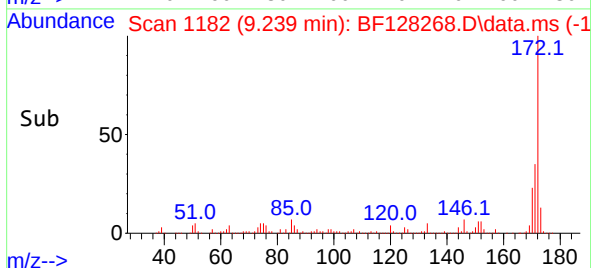
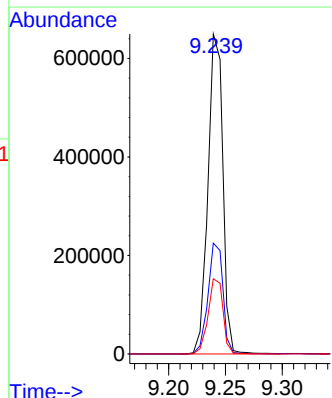
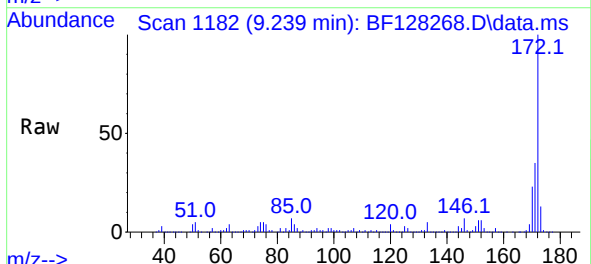
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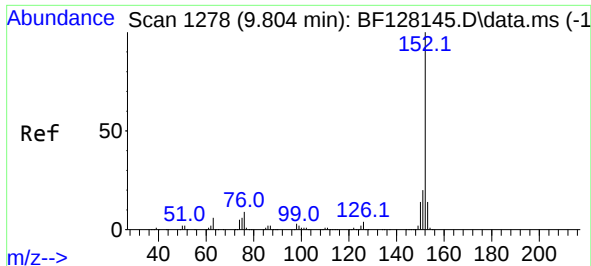
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#45
2-Fluorobiphenyl
Concen: 67.938 ng
RT: 9.239 min Scan# 1182
Delta R.T. -0.012 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

Tgt Ion:172 Resp: 591373
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 23.5 19.1 28.7





#49

Acenaphthylene

Concen: 2.942 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF128268.D

Acq: 16 May 2022 15:10

Instrument :

BNA_F

ClientSampleId :

PL-05-051222

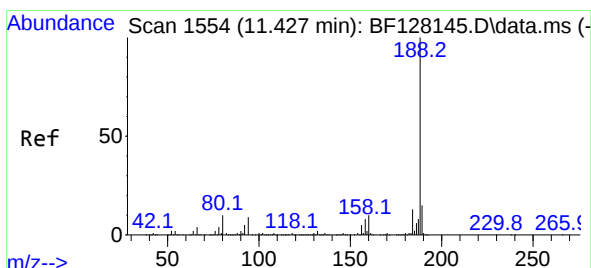
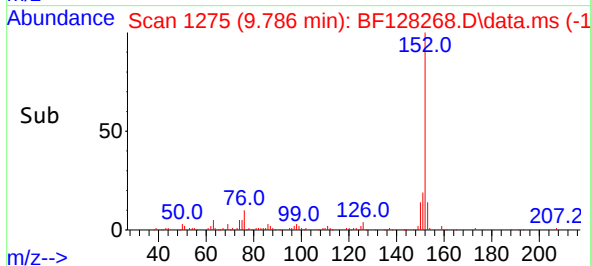
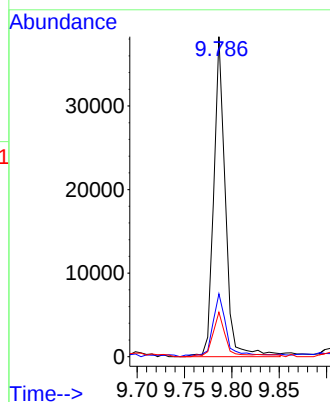
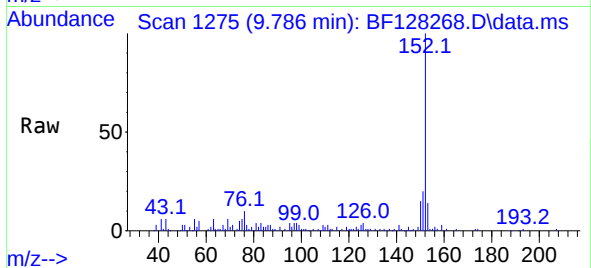
Tgt Ion:152	Resp:	32700
Ion Ratio	Lower	Upper
152	100	
151	19.7	16.2 24.2
153	13.9	11.2 16.8

Manual Integrations

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Reviewed By :Christian Giraldo 05/17/2022

Supervised By :Jagrut Upadhyay 05/17/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

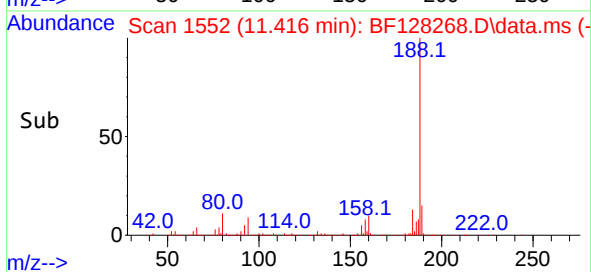
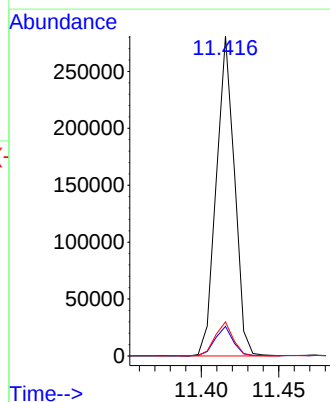
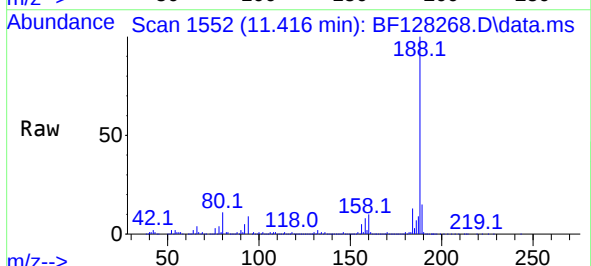
RT: 11.416 min Scan# 1552

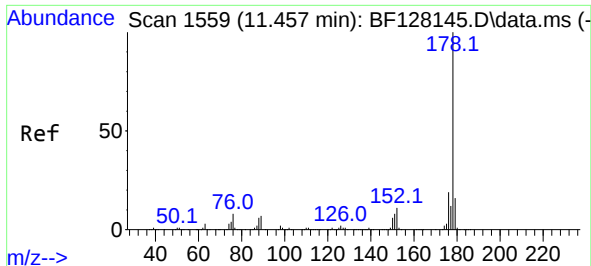
Delta R.T. -0.006 min

Lab File: BF128268.D

Acq: 16 May 2022 15:10

Tgt Ion:188	Resp:	229767
Ion Ratio	Lower	Upper
188	100	
94	9.2	8.0 12.0
80	10.7	8.9 13.3





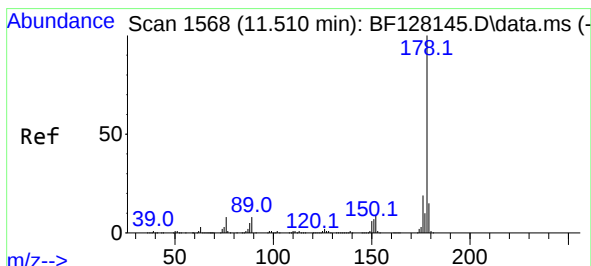
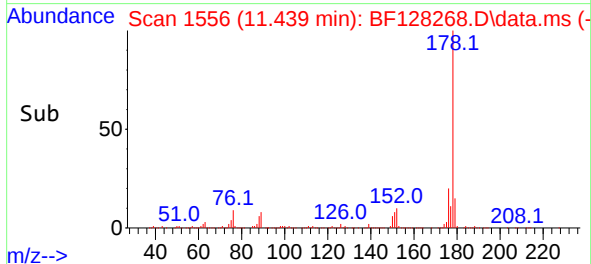
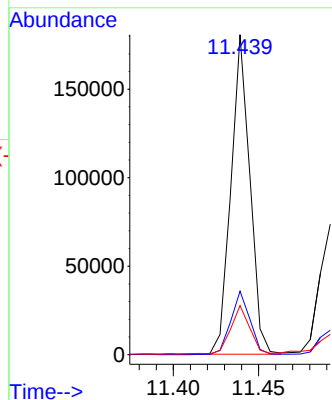
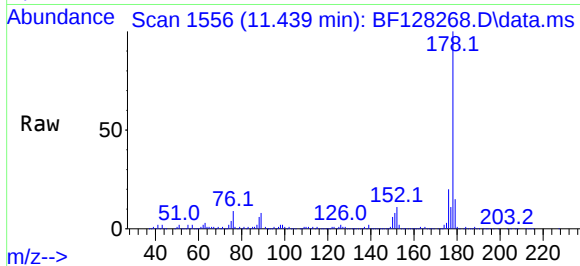
#71
Phenanthrene
Concen: 12.182 ng
RT: 11.439 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

Instrument :
BNA_F
ClientSampleId :
PL-05-051222

Tgt Ion:178 Resp: 139375
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 15.4 12.6 19.0

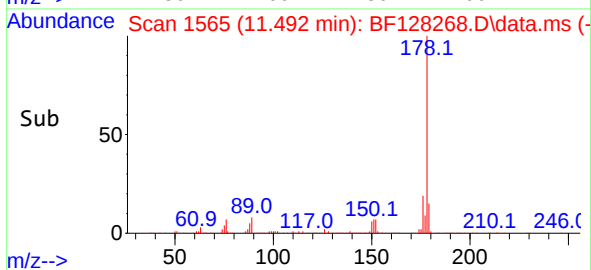
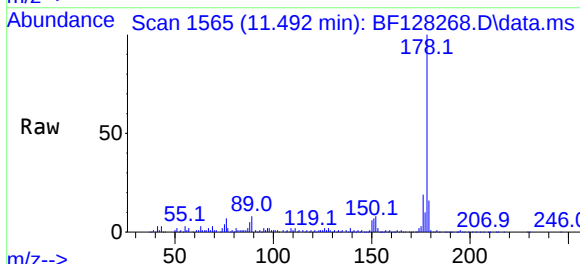
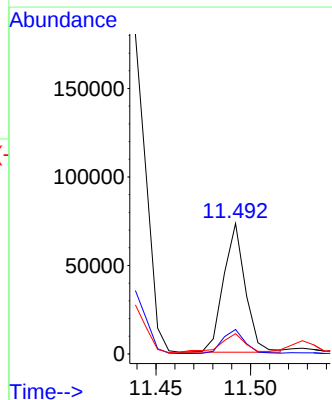
Manual Integrations
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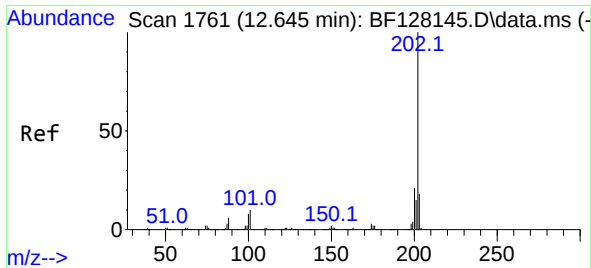
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#72
Anthracene
Concen: 5.096 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

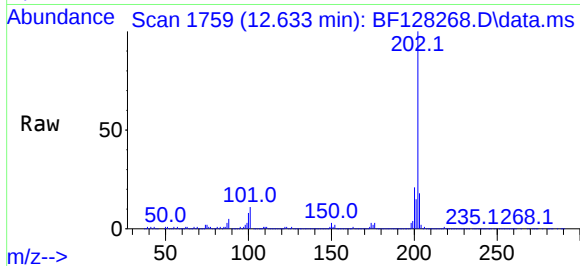
Tgt Ion:178 Resp: 58207
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 35.007 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

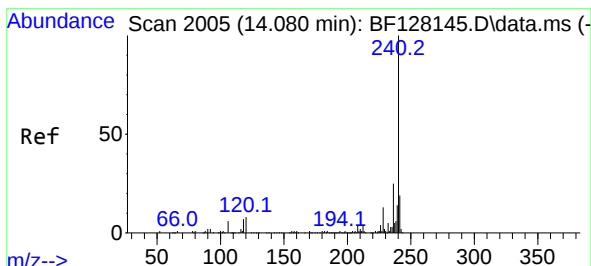
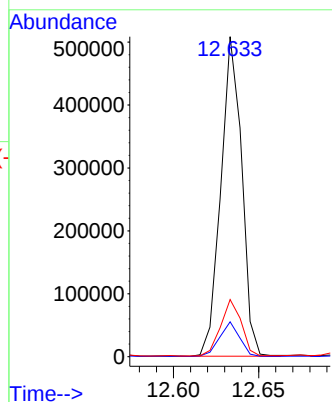
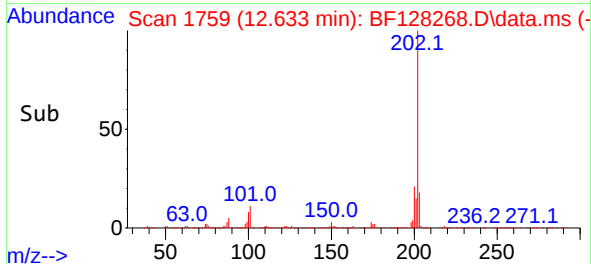
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PL-05-051222



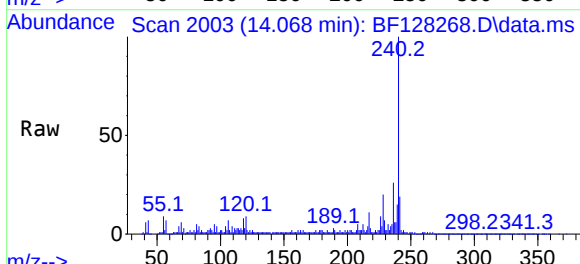
Tgt Ion:202 Resp: 43422
Ion Ratio Lower Upper
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101 10.9 0.0 31.6
203 17.8 0.0 38.1

Manual Integrations
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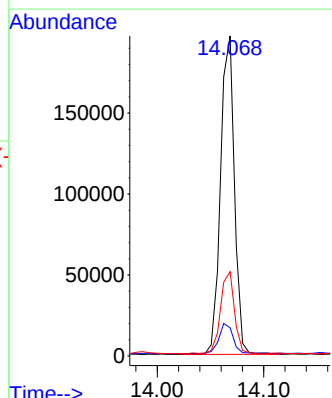
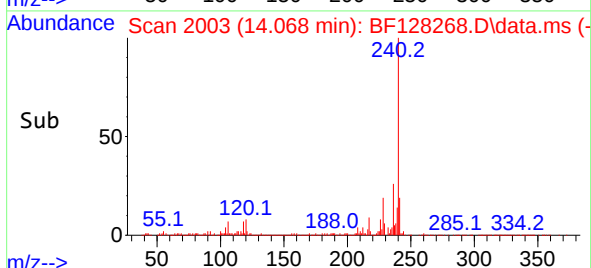
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

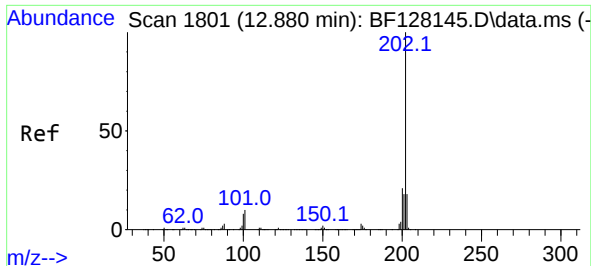


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10



Tgt Ion:240 Resp: 177562
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.6
236 26.3 20.3 30.5





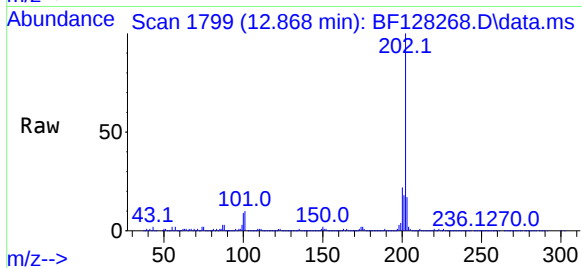
#78
Pyrene
Concen: 33.720 ng
RT: 12.868 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

Instrument :

BNA_F

ClientSampleId :

PL-05-051222

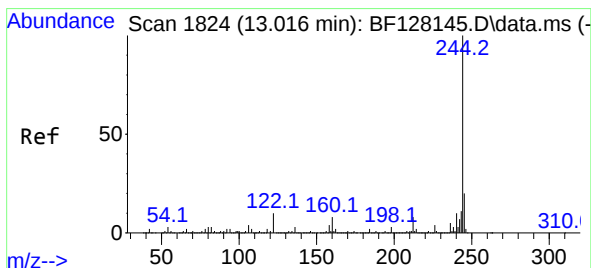
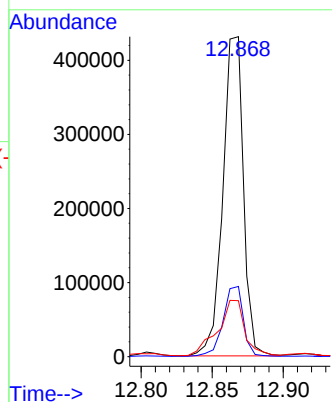


Tgt Ion:202 Resp: 434130
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 17.5 14.0 21.0

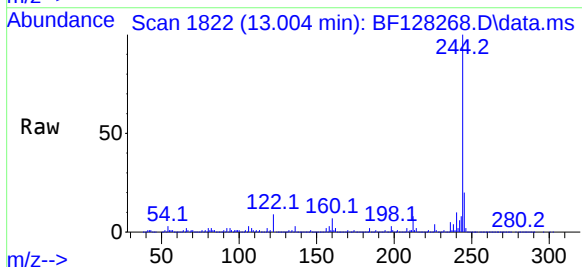
Manual Integrations

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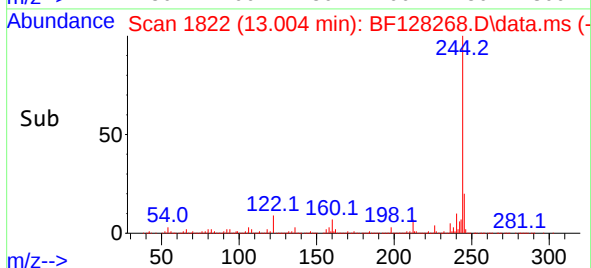
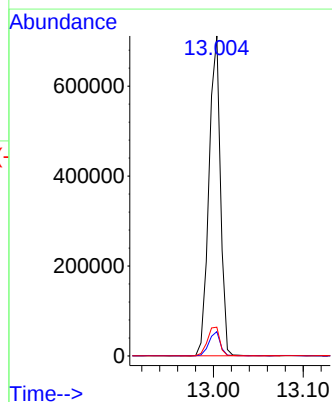
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

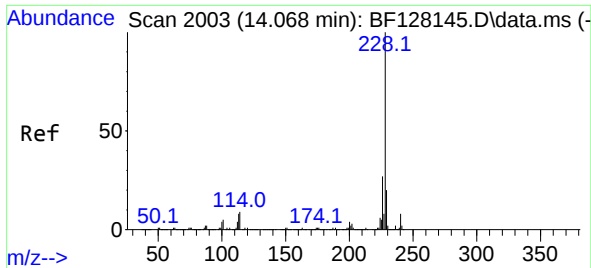


#79
Terphenyl-d14
Concen: 66.599 ng
RT: 13.004 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10



Tgt Ion:244 Resp: 630212
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.4
122 9.0 8.6 12.8





#81
Benzo(a)anthracene
Concen: 21.543 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

Instrument :

BNA_F

ClientSampleId :

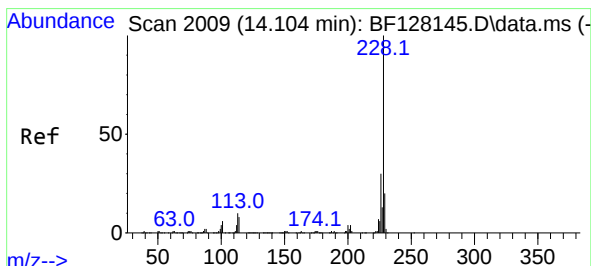
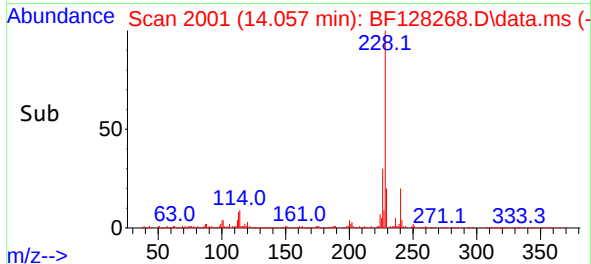
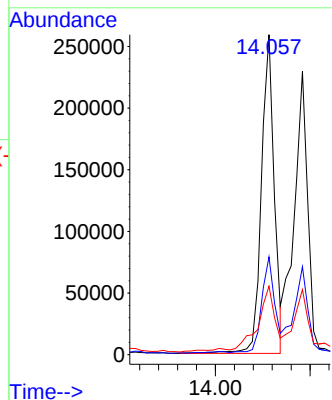
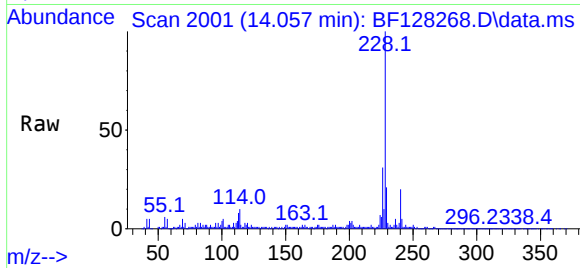
PL-05-051222

Tgt Ion:228 Resp: 24432
Ion Ratio Lower Upper
228 100
226 30.6 21.7 32.5
229 21.4 15.4 23.2

Manual Integrations

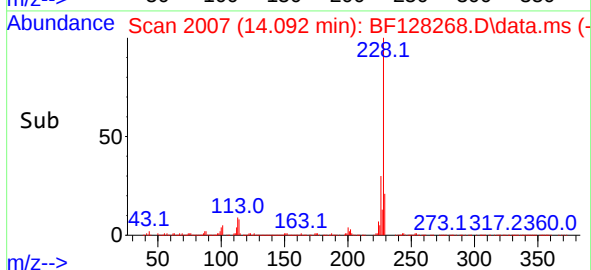
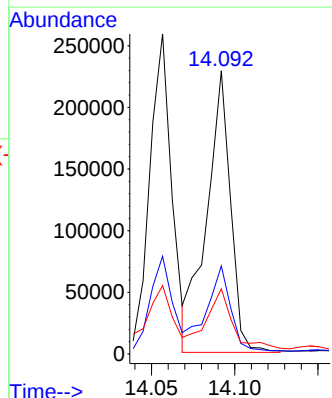
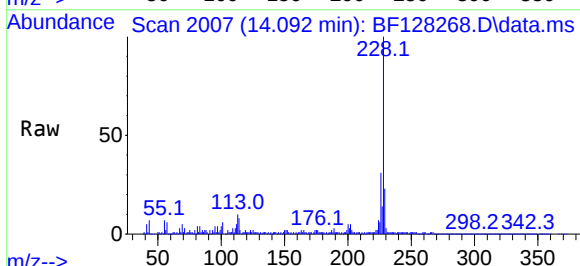
APPROVED

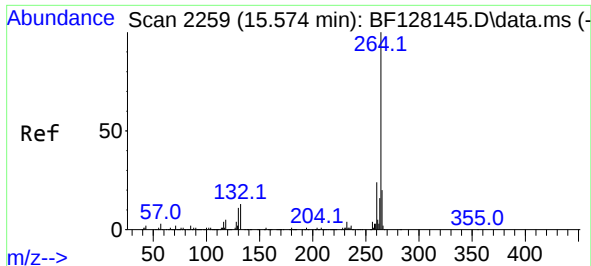
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#83
Chrysene
Concen: 21.148 ng m
RT: 14.092 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

Tgt Ion:228 Resp: 228857
Ion Ratio Lower Upper
228 100
226 31.1 24.4 36.6
229 23.0 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 211
Delta R.T. -0.000 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

Instrument :

BNA_F

ClientSampleId :

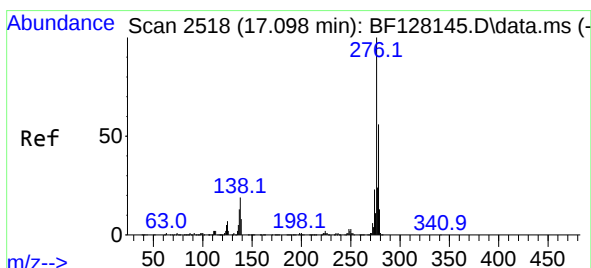
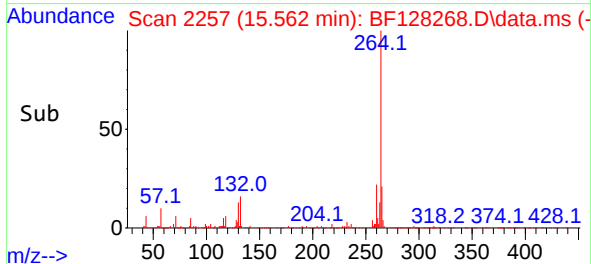
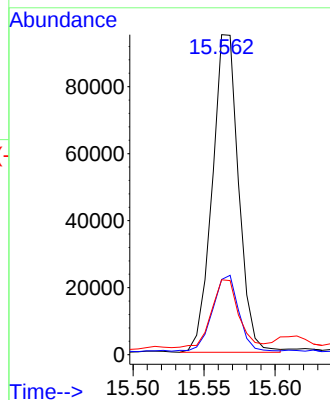
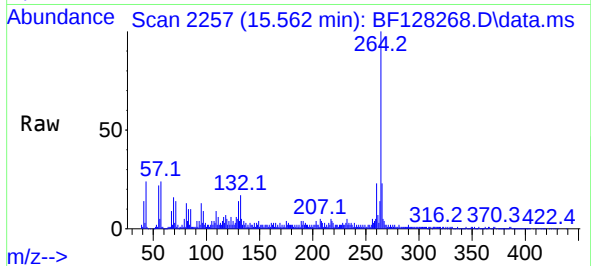
PL-05-051222

Tgt Ion:264 Resp: 12212
Ion Ratio Lower Upper
264 100
260 23.5 20.1 30.1
265 23.4 17.5 26.3

Manual Integrations

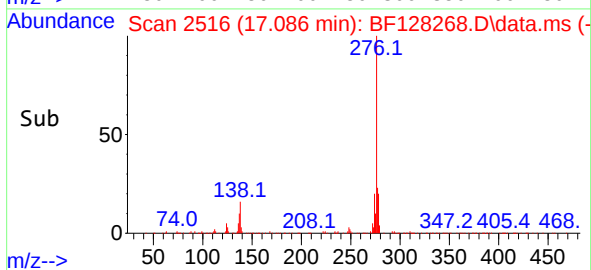
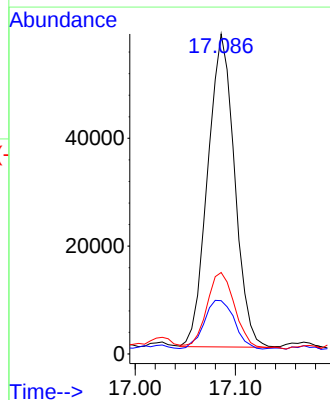
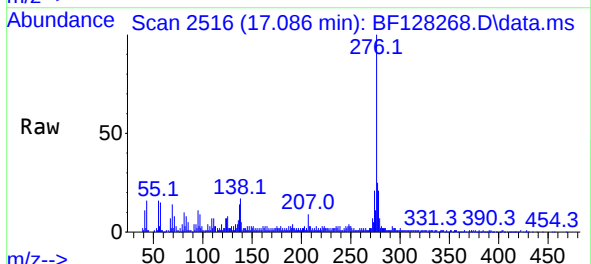
APPROVED

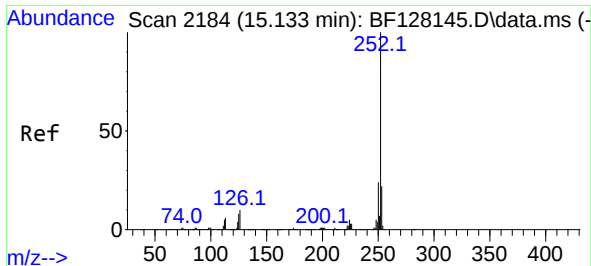
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.649 ng
RT: 17.086 min Scan# 2516
Delta R.T. -0.000 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

Tgt Ion:276 Resp: 108215
Ion Ratio Lower Upper
276 100
138 17.5 19.0 28.4#
277 26.0 20.1 30.1





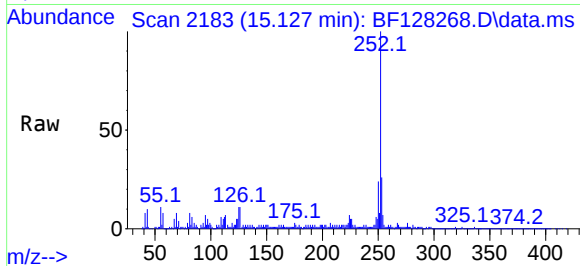
#88
Benzo(b)fluoranthene
Concen: 37.302 ng m
RT: 15.127 min Scan# 2184
Delta R.T. 0.006 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

Instrument :

BNA_F

ClientSampleId :

PL-05-051222

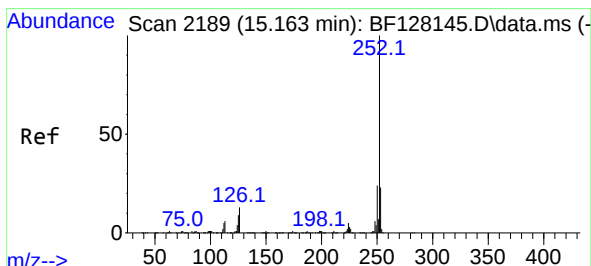
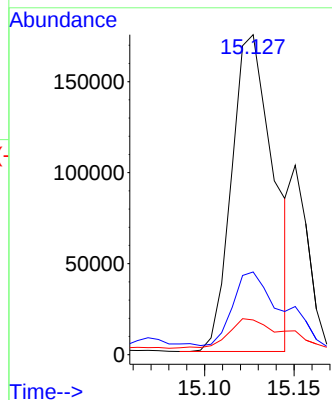
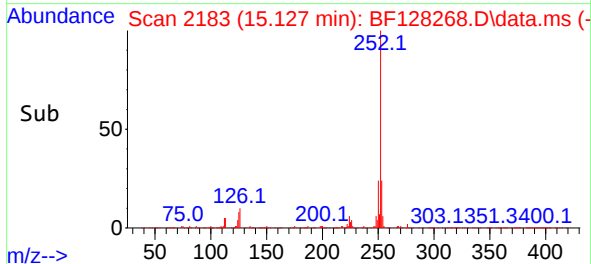


Tgt Ion:252 Resp: 282380
Ion Ratio Lower Upper
252 100
253 25.9 17.4 26.2
125 10.9 7.4 11.2

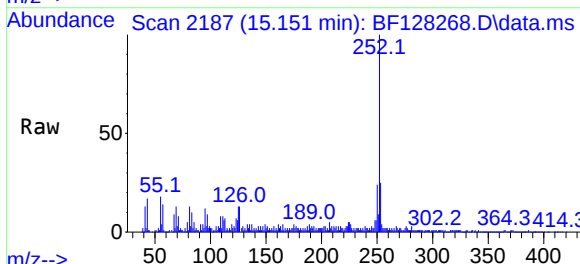
Manual Integrations

APPROVED

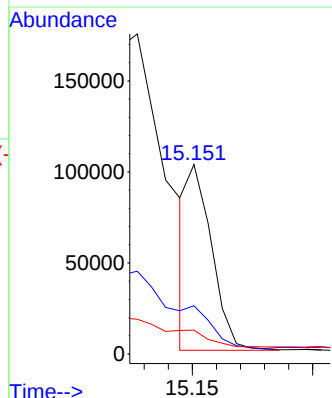
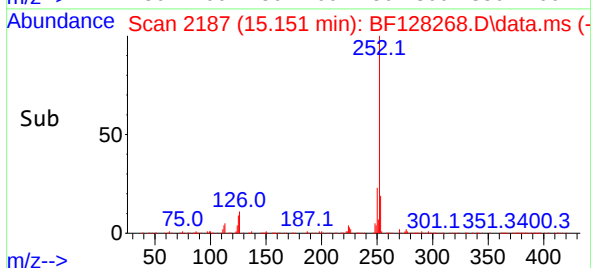
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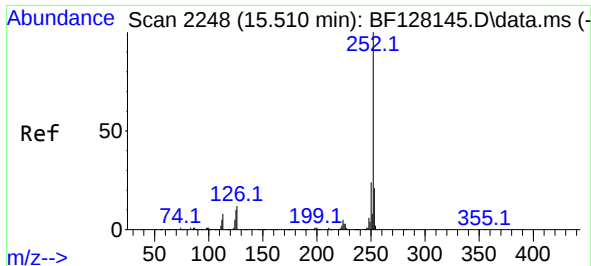


#89
Benzo(k)fluoranthene
Concen: 9.504 ng m
RT: 15.151 min Scan# 2187
Delta R.T. -0.000 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10



Tgt Ion:252 Resp: 71019
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.4
125 12.6 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 30.319 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

Instrument :

BNA_F

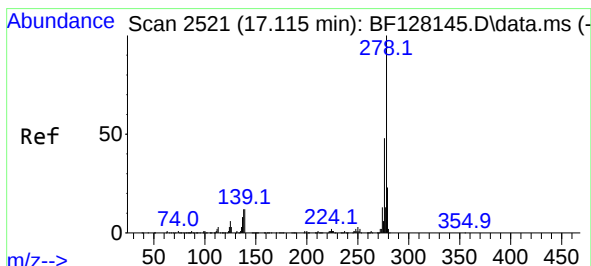
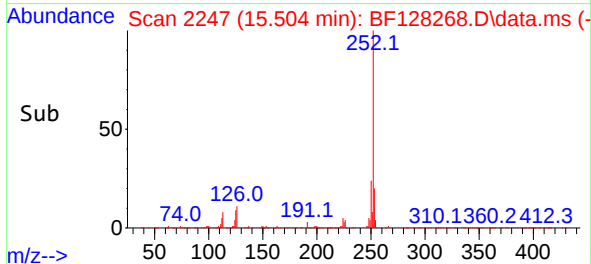
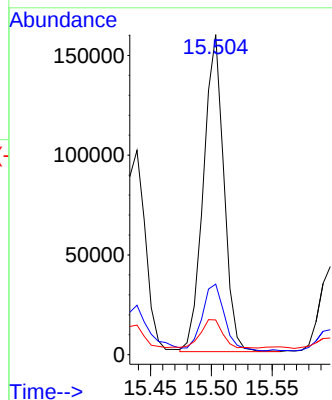
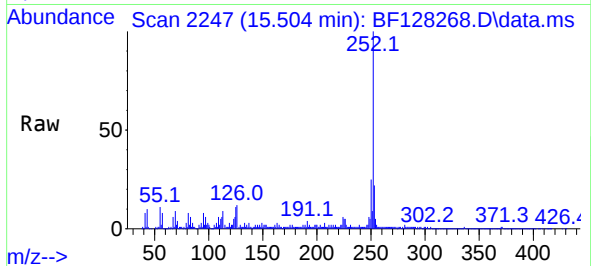
ClientSampleId :

PL-05-051222

Tgt Ion:252 Resp: 18529
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 10.9 9.2 13.8

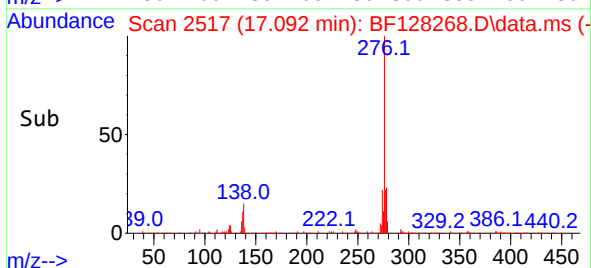
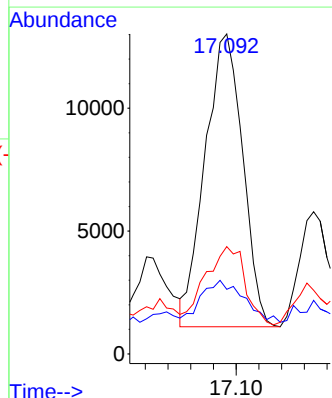
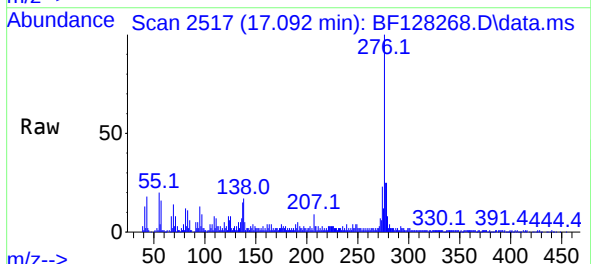
Manual Integrations
APPROVED

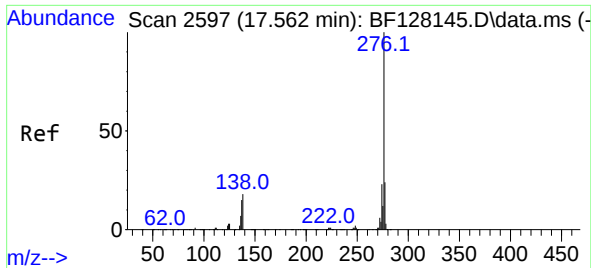
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.586 ng
RT: 17.092 min Scan# 2517
Delta R.T. -0.006 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

Tgt Ion:278 Resp: 27430
Ion Ratio Lower Upper
278 100
139 20.2 12.6 19.0#
279 33.5 18.9 28.3#





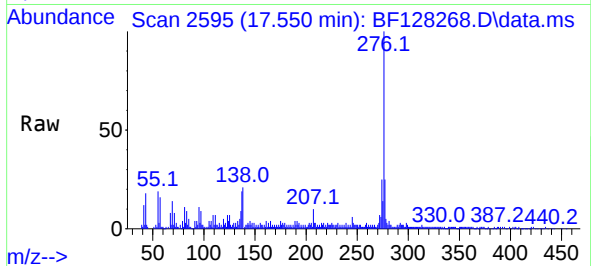
#92
Benzo(g,h,i)perylene
Concen: 17.052 ng
RT: 17.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128268.D
Acq: 16 May 2022 15:10

Instrument :

BNA_F

ClientSampleId :

PL-05-051222



Tgt Ion: 276 Resp: 10326
Ion Ratio Lower Upper
276 100
277 25.4 18.8 28.2
138 20.5 16.2 24.2

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 05/17/2022
Supervised By : Jagrut Upadhyay 05/17/2022

